

STAR-ProBio

Sustainability Transition Assessment and Research of Bio-based Products

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Preface

Communication, dissemination and publication activities are key elements within STAR-ProBio. A special effort has been made during the second year of the project to ensure these activities are properly developed, implemented and managed. These activities follow the guidelines established in the Communication and Dissemination Strategy developed in the starting phase of the project within Work Package 10 (WP10) "Knowledge transfer, training and dissemination".

Progress towards objectives

Communication, dissemination and publication activities developed and completed during the second year of STAR-ProBio fulfilled the objectives established by the Communication and Dissemination Strategy, reaching out to a large range of stakeholders and contributing to the further exploitation of the project results within key stakeholders and relevant communities.

Achievements and current status

Deliverable achieved on time. All communication, dissemination and publication activities planned for the second year of STAR-ProBio were successfully achieved. Upon acceptance by the responsible Project Officer, the second annual STAR-ProBio workshop, originally scheduled for month 24 (April 2019) was rescheduled to benefit from co-hosting it with the 24th EURAS (European Academy for Standardisation) conference in Rome, 13-15 June 2019.

Summary

Communication, dissemination and publication activities play a vital role within STAR-ProBio. The second year report on these activities lists activities carried out in all Work Packages during the period May 2018 – April 2019. These activities include framework activities for the whole project such as:

- Coordination of Communication, Dissemination, Networking and Outreach
- Website
- Social media
- Update and revision of the Data Management Plan
- Newsletters

and specific communication and dissemination activities:

- 14 scientific publications: 9 journal articles and 5 book chapters
- 5 non-scientific publications
- 6 workshops and experts focus groups organised by partners
- 27 speaking engagements

- 7 poster presentations
- 6 outreach events for the general public
- 2 training sessions

The report describes for all these activities the target groups reached and messages delivered. Finally, the report also includes an indicative list of expected communication, dissemination and publication activities for the third year of the project (May 2019 – April 2020).

The specific communication and dissemination activities by STAR-ProBio, as known at the time of writing, can be summarised as follows:

	Completed		Planned, indicative
	year 1	year 2	year 3
Scientific publications	3	14	19
non-scientific publications	7	5	3
Speaking and posters	14	41	36
Outreach and trainings	3	8	3

1 Objective

STAR-ProBio has concluded its second year of activities developing sustainability assessment tools for bio-based products. The main goal of communication, dissemination and publication activities is to reach out to the widest possible range of stakeholders to promote further exploitation of the project results within key stakeholders and relevant communities. Communication, dissemination and publication activities aim at ensuring that the results gained during the course of the STAR-ProBio project exert their full impact in a coordinated and resource efficient way, and in synergy with the activities of the different Work Packages. The various stakeholder groups that STAR-ProBio engages with are shown in Figure 1.

The specific objectives of communication, dissemination and publication activities are:

- Create a brand identity and dedicated dissemination channels for the project;
- Build and maintain professional and collaborative relationship with stakeholders;
- Transfer effectively knowledge developed by STAR-ProBio through the organisation of workshops and events;
- Publish results of STAR-ProBio in open access publications and dedicated blogs;
- Share regularly information through a dedicated website and social media;
- Make available sustainability assessment tools, examples and case studies developed by STAR-ProBio

The second year report on communication, dissemination and publication activities lists and describes the concrete activities carried out during the period May 2018 – April 2019 and presents an indicative list of expected activities for the third year of project operation.

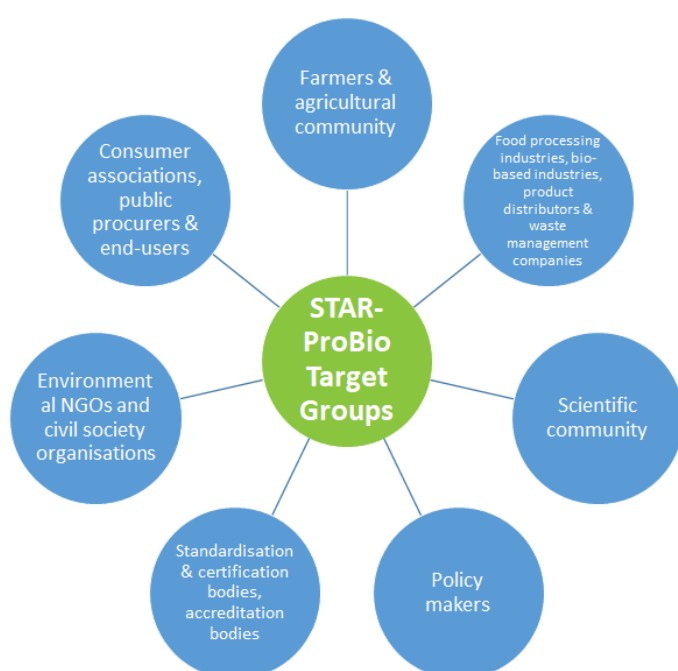


Figure 1: The different stakeholder groups targeted by STAR-ProBio

2 Responsibilities within the project

2.1 CoDNOC

The grant agreement foresees the leader of WP10 to appoint a team member as the Communication, Dissemination, Networking and Outreach Coordinator (CoDNOC) for STAR-ProBio.

Responsibilities of the CoDNOC include the supervision of the formulation of the Communication and Dissemination Strategy, as well as the creation of a brand identity including the STAR-ProBio logo and templates for website, dissemination and training documents and presentations and to ensure that all resources, including the website, flyers, posters, presentation slides and promotional banners have a professional and uniform look. The activities as CoDNOC have been supported by the team of SQ Consult and have covered the following:

- Coordination, organisation and monitoring of all dissemination activities;
- Encouraging partners to initiate and to participate;
- Ensuring regular quality content for the various dissemination channels and activities.
- Authorship and coordination of the Bi-annual STAR-ProBio newsletter

The CoDNOC has performed a final check to ensure all materials produced by major activities before their external distribution took place.

On June 20th 2017, Louise Summerton (University of York) was appointed CoDNOC. She left this position when she left the University of York on 31 March 2019. On 1 April 2019 Janice Lofthouse (University of York) was appointed the new CoDNOC (see Annex 4), and is supported in her activities by her colleagues Katy Brooke and Hannah Briers.

2.2 Coordinator, Executive Board and Work Package leaders

During the second year of the project, the STAR-ProBio Coordinator and the Executive Board¹ have been responsible for the formulation of all key messages of the project, always in coordination with the CoDNOC. The Coordinator and the Executive Board have complied with their responsibility for the approval of those major communication and dissemination activities that involve results of more than one work package. Major activities that involve results of only one work package were approved by the respective work package leader.

Work Package leaders took on their responsibility for the correct implementation of all communication and dissemination activities planned and implemented within their work package. These activities were timely informed to the CoDNOC.

SQ Consult as the leader of WP10 performed the following responsibilities during the second year of activities:

- Monitoring all communication and dissemination activities within STAR-ProBio;
- Preparations for the second annual conference of STAR-ProBio in June 2019;
- Reaching out and establish working contacts with relevant stakeholders.

¹ The Executive Board is integrated by all work Package leaders

3 Dissemination channels

3.1 Website

The STAR-ProBio website <http://www.star-probio.eu/> is the main channel for dissemination of project information. The STAR-ProBio domain has been registered on the 21st of April 2017 and since then content has been uploaded; maintenance will be continuous until the end of project and will subsequently remain active for up to five years after the end of the project. The website is designed in such a way that it meets the communication and dissemination needs of wide range of users. The website was built with the following characteristics:

- Attractive to the different target groups;
- User-friendly;
- Multi-lingual;
- Interactive.

A screenshot of the STAR-ProBio website homepage is included below in Figure 2.



Figure 2: STAR-ProBio website homepage

3.1.1 Website sections

The website serves as a knowledge platform for the target audiences and as a place to provide access to reports and freely available publications, case studies, STAR-ProBio news and networks. The STAR-ProBio website has two distinct areas (public and private) each aimed at a different audience:

- **Public area** – Keeps the interested parties accessing the website informed on the project and its development. Its aim is not only to inform but rather to encourage engagement of people by allowing easy access to extensive information about STAR-ProBio and its activities including background information, news and events announcements, articles alerts, contact details, etc. It makes the public project deliverables available as well as the published materials the project has created. The public area of the website has the following subsections: “home page”, “objectives”, “WPs”, “deliverables”, “partners”, “news” and “contact us”.
- **Private area** - Designed as a single working platform for partners, External Advisory Board members and key stakeholders. Moreover, the private area is used to share confidential documents. Access to private area requires a login procedure. All partners have been assigned with credentials (user id and password). The private area of the website is intended to support the general workflow by allowing smooth communication between project partners and serves the needs of the internal communication by distributing different sorts of documents and sets of documents. Examples of the documents accessible here are all completed project deliverables (public and otherwise) and their appendices, minutes and presentations of project meetings, published newsletters etc.

The private area hosts the STAR-ProBio Online library. The STAR-ProBio Online Library hosts (scientific) publications and other information (deliverables) on all project activities that are open for access/download by the external users of the website. All consortium members are able to upload files in the Online library.

3.1.2 Website languages

The main sections of the websites are available in:

- English
- German
- French
- Italian
- Polish

3.1.3 Website content

The website includes general information about the project, consortium and guidance on how to use project outcomes. Specific functions of the website which pertain to dissemination include:

Currently operational

- Online STAR-ProBio newsletters (full text archive) (including current and back-issues) with online subscription;
- Cross-links to other key related projects, e.g. [BioCannDo](#), [BioLinX Project](#), [BIOPEN](#), [BioWays](#), [CommBeBiz](#), [InnProBIO](#), [Pilots4U](#), [ProBIO](#), [RoadToBio](#), [STAR4BBI](#);
- Information on STAR-ProBio workshops and conferences. For these events, an internal area to collect comments and feedback from stakeholders will be set up;
- Downloadable copies of all STAR-ProBio public deliverables along with concise and engaging summaries to provide detail of what the deliverable entails in

an easy to understand way and to encourage website visitors to read them in detail.

- Details of and links to all STAR-ProBio journal publications and their associated abstracts.
- News items about the project:

News item	Date posted	Further Detail
Bioeconomy Village @Unitelma Sapienza, Rome 2018	11/05/2018	Promoted by the BIOWAYS, STAR-ProBio, BIOVOICES and EXCornsEED Projects, the Bioeconomy Village aims to raise awareness among the public, improve knowledge about bio-based products and promote the applications of bioeconomy.
#BLOG_Invitation to participate in STAR-ProBio's Delphi survey	30/05/2018	The Delphi survey was implemented in May 2018 to identify the demand for new sustainability criteria that are easily understood by the different consumer groups and relevant to their needs.
BioSA: Production of Bio-Succinic Acid from Apple Pomace Using an Environmental Approach	22/06/2018	The aim of this study was to develop a full-scale plant to produce BioSA from apple pomace, a low-cost solid waste from the cider- and juice-making industry, based on a biorefinery concept.
Newsletter Issue 2	02/07/2018	The 2 nd issue of the STAR-ProBio newsletter is available for download.
#BLOG_Two interesting activities of the RoadToBio project!	08/08/2018	Nine identified bio-based opportunities for the Chemical Industry and Survey "Key barriers and hurdles on bio-based products – what is your opinion?".
A European Strategy for Plastics in a circular economy	18/09/2018	The latest European Parliament resolution of 13 September 2018 on a European strategy for plastics in a circular economy is available for download.
L'Economia Circolare nelle politiche pubbliche. Il ruolo della certificazione	28/09/2018	The latest study of Osservatorio ACCREDIA on the certification role in designing public policies for Circular Economy is available to download.
White Paper – Communicating the bio-based content of products in the EU and the US	02/10/2018	The 'White Paper: Communicating the bio-based content of products in the EU and the US' is available for download.
STAR-ProBio Bio-based Products Social Sustainability Workshop – IFIB 2018	03/10/2018	The Bio-based Products Social Sustainability Workshop was held on 27 September 2018 as a side event of the IFIB- International Forum on Industrial Biotechnology and Bioeconomy.
STAR-ProBio mid-term meeting in Athens, 8-10/10/18	14/10/2018	The STAR-ProBio mid-term meeting took place in Greece at the Agricultural University of Athens.

Updated Bioeconomy Strategy	15/10/2018	The updated Bioeconomy Strategy is available to download.
Biorefineries distribution in the EU	22/10/2018	The JRC Research Brief on biorefineries distribution in the EU is available to download.
ECOS webinar on Environmental Footprinting	30/10/2018	On 14/11/18, ECOS Programme Manager Mathilde Crêpy and ECOS Expert Kim Christiansen hosted a webinar dedicated to the issue of environmental footprinting.
#BLOG_DataBio – Bioeconomy seen through the lenses of big data technologies	30/10/2018	DataBio is a Horizon 2020 Lighthouse project focusing on utilizing Big Data technologies to sustainably improve the productivity in bioeconomy.
7th European Environmental Evaluators Network Forum: The impact of evaluating environment and climate policies	05/11/2018	The 7th European Environmental Evaluators Network Forum (2018 EEEN Forum) was held on 22-23/11/18.
Systems Change Thinking – Closing the Loop	07/11/2018	'Systems Change Thinking: Creating Value and Closing the Loop from Unavoidable Food Supply Chain Wastes' was held on 03/11/18.
#BLOG_The European Bioeconomy Network	08/11/2018	Promoted by the BIOVOICES project and launched in May 2018, the European Bioeconomy Network (EuBioNet) is a proactive alliance of EU funded projects dealing with bioeconomy promotion, communication and support.
Sustainability Transition Towards a Bio-Based Economy: New Technologies, New Products, New Policies – Piergiuseppe Morone (Ed.)	23/11/2018	The <i>Sustainability</i> special issue on "Sustainability Transition Towards a Bio-Based Economy: New Technologies, New Products, New Policies" is available to download.
STAR-ProBio Newsletter 3	22/12/18	The 3 rd STAR-ProBio newsletter is available to download.
EURAS Conference 2019	08/02/2019	The 24th edition of the EURAS Conference was held in Rome on 13-15 June 2019.
Bridging the Gaps for a 'Circular' Bioeconomy: Selection Criteria, Bio-Based Value Chain and Stakeholder Mapping	05/03/2019	A new article by Kadambari Lokesh, Luana Ladu and Louise Summerton published in <i>Sustainability</i> .
Gaps and Research Demand for Sustainability Certification and	05/03/2019	A new article by Stefan Majer, Simone Wurster, David Moosmann, Luana Ladu, Beike Sumfleth and Daniela Thrän published in <i>Sustainability</i> .

Standardisation in a Sustainable Bio-Based Economy in the EU		
Comparative evaluation of lignocellulosic biorefinery scenarios under a life-cycle assessment approach	05/03/2019	A new article by Sara Bello, Carmen Ríos, Gumersindo Feijoo and María Teresa Moreira published in <i>Biofpr</i> .
Comparative environmental Life Cycle Assessment of integral revalorization of vine shoots from a biorefinery perspective	06/03/2019	A new article by Patricia Gullón, Beatriz Gullón, Izaskun Dávila, Jalel Labidi, Sara Gonzalez-Garcia published in <i>Science of The Total Environment</i> .
Environmental Life Cycle Assessment of industrial pine Roundwood production in Brazilian forests	06/03/2019	A new article by Fabiane Salles Ferro, Diogo Aparecido Lopes Silva, Felipe Hideyoshi Icimoto, Francisco Antonio Rocco Lahr and Sara González-García available in <i>Science of The Total Environment</i> .
WP7 meeting in Leipzig	22/03/2019	A 3-day meeting took place in Leipzig to achieve the results expected within the WP7.

Further content to be added once it becomes available

- Information on the STAR-ProBio case studies;
- Online background and training material;
- Online access to the main tools/applications developed in the project, explaining their background and how to use them, including link to the web based interactive tool;
- Information on the STAR-ProBio final event in Brussels (April 2020).

3.1.4 Website statistics


The STAR-ProBio website recorded 7.604 sessions since its beginning (time-frame: May 1st, 2017 - April 18th, 2019):

- 3.078 sessions in the first year (May 1st, 2017 - April 23rd, 2018);
- 4.526 sessions in the second year (April 24th, 2018 - April 18th, 2019).

Total number of users in the time-frame April 24th, 2018 - April 18th, 2019: 3.090 (of which 3.029 are new users). Geographic origin of users:

- Italy: 568 (18,03%)
- United States: 425 (13,49%)
- Germany: 379 (12,03%)
- France: 327 (10,38%)
- Spain: 233 (7,39%)
- Belgium: 103 (3,27%)
- United Kingdom: 100 (3,17%)
- Poland: 97 (3,08%)
- Netherlands: 90 (2,86%)

- Greece: 82 (2,60%)
- Others: 686

Paese ?	Acquisizione		
	Utenti ? ↓	Nuovi utenti ?	Sessioni ?
	3.090 % del totale: 100,00% (3.090)	3.029 % del totale: 100,00% (3.029)	4.526 % del totale: 100,00% (4.526)
1.  Italy	568 (18,03%)	544 (17,96%)	1.056 (23,33%)
2.  United States	425 (13,49%)	424 (14,00%)	431 (9,52%)
3.  Germany	379 (12,03%)	360 (11,89%)	640 (14,14%)
4.  France	327 (10,38%)	321 (10,60%)	357 (7,89%)
5.  Spain	233 (7,39%)	219 (7,23%)	356 (7,87%)
6.  Belgium	103 (3,27%)	92 (3,04%)	158 (3,49%)
7.  United Kingdom	100 (3,17%)	97 (3,20%)	149 (3,29%)
8.  Poland	97 (3,08%)	92 (3,04%)	187 (4,13%)
9.  Netherlands	90 (2,86%)	87 (2,87%)	113 (2,50%)
10.  Greece	82 (2,60%)	72 (2,38%)	106 (2,34%)

A recent sample of the traffic statistics of the STAR-ProBio website for the time-frame January 1st, 2019 - April 18th, 2019 recorded 1.147 sessions. The origin, website sub-sections and the path users took between sections are shown in Figure 3. After the Homepage, the "Members" and the "News" sections are the most popular.

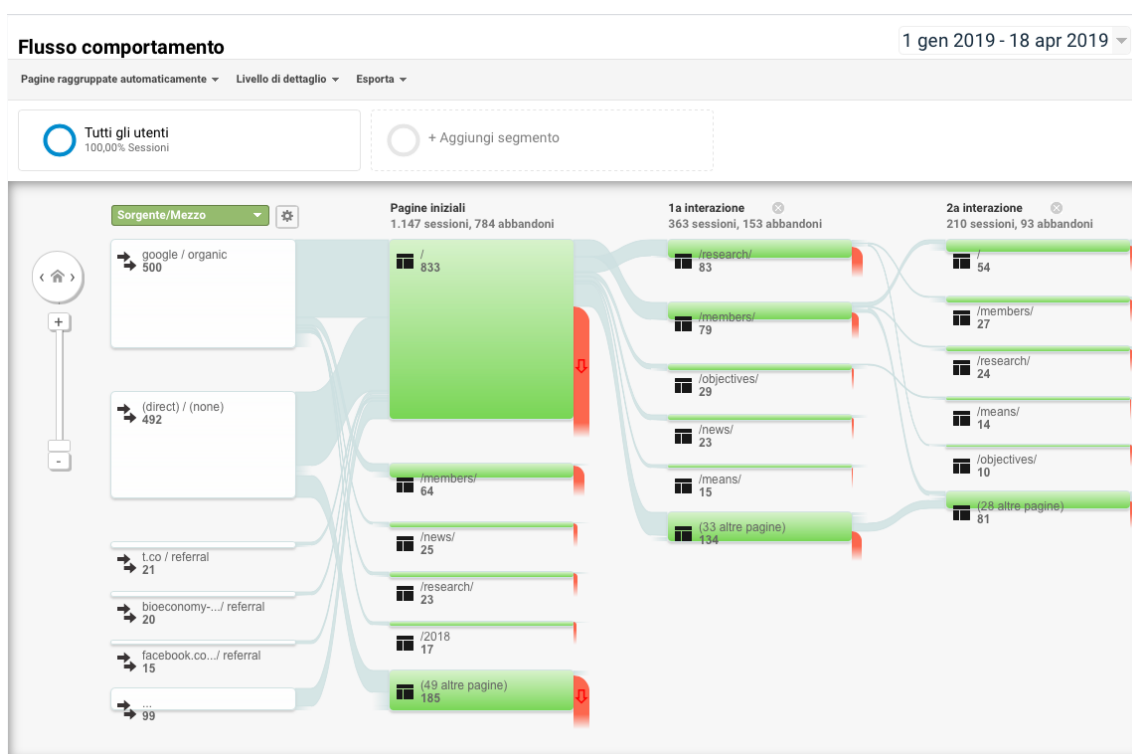


Figure 3: STAR-ProBio web traffic analysis 01/01/2019 to 18/04/2019

3.1.5 Website Responsibility

Unitelma Sapienza administers the website and takes care of its technical set up and maintenance, analysing periodically the website traffic through Google Analytics in order to measure how users interact with the website content.

A dedicated staff member updates the website regularly, sharing news, information on events, presentations and relevant studies. Content management is the responsibility of the Project Coordinator [UNITELMA], the CoDNOC and WP leaders.

The CoDNOC makes sure that all information and knowledge generated in the project are widely circulated among the participants. In the internal area of the website, the posting of documents encourages knowledge exchange.

The website is regularly updated by placing interesting items on the home page not only to keep the audience informed but also to raise continued interest of already attracted visitors.

3.2 Social media channels

Social media platforms provide an important opportunity to engage with stakeholders and the general public. As a fundamental part of its communication strategy, the STAR-ProBio project actively maintains profiles on social media. STAR-ProBio profiles were created on several main social media platforms once the project had started and have been maintained ever since.

The primary project social media channels are:

- LinkedIn: <https://www.linkedin.com/in/star-probio-655816145>
- Facebook: <https://www.facebook.com/STAR-ProBio-343691609383137/>
- Twitter: https://twitter.com/STAR_ProBio

The current status of these accounts is represented in Table 1 (figures provided as of 18/04/2019):

Table 1: Current (18/04/2019) status of STAR-ProBio social media networks

	Network	Content
LinkedIn	368 Members; 384 Followers	64 Posts
Twitter	329 Followers; 327 Following	148 Tweets published; 128 Likes received
Facebook	141 Followers; 132 Likes	101 Posts

4 Data Management Plan (DMP)

A Data Management Plan (DMP) for data generated and/or collected during the project was completed in month 06 (October 2017). It provides guidance to the consortium on identifying and disseminating data and knowledge gathered in the project, not restricted to the formal project deliverables.

Key examples are databases and inventories of collected information underlying the project deliverables and the supporting data for scientific manuscripts. In Month 18 (October 2018) an update to the DMP was published.

The initial version of the STAR-ProBio Data Management Plan (DMP) provided the members of the consortium with a unified approach to data collection, curation and publication, focusing on the supporting data that will be generated by implementing the various STAR-ProBio Work Packages and task.

The recent update to DMP builds on the experiences so far to refine and improve the guidance and approach for the datasets, and in Annex I a description of each of the 26 datasets is now provided. The default approach is to make fully finalized datasets publicly available, unless there is a clear reason not to. STAR-ProBio has created a [community on Zenodo](https://zenodo.org/communities/star-probio/) (<https://zenodo.org/communities/star-probio/>) which is used as the main repository for making datasets publicly available.

Partners are encouraged to add the datasets that they (co)-author to their institutional repositories, and of course the STAR-ProBio website hosts the public deliverables and related datasets as well.

5 Publications

The scientific community is one of the main target groups of STAR-ProBio. According to STAR-ProBio's Communication and Dissemination Strategy, the research teams will aim to publish a minimum of 8 scientific papers in journals during the project lifetime. These publications should aim at a high impact factor.

Already in the first year of the project three scientific publications were published, and during the second year a further fourteen have been produced: Nine journal papers and five book chapters. These scientific publications have focused on analysis and findings from WPs 1, 2, 6 and 7. These scientific publications are targeted not only to specialists in bioeconomy and bioproducts, but also to scientists in any other discipline that could in one way or another benefit from STAR-ProBio outcomes. The respective dissemination forms with all detailed information of these publications are presented in Annex 1.

Journal papers

Further to the 2 papers listed in the Year 1 report, the following 9 papers were published during year 2:

1. S. González-García, L. Argiz, P. Miguez, B. Gullón, **Exploring the production of bio-succinic acid from apple pomace using an environmental approach**, Chem. Eng. J., 2018, 350, 982; <https://doi.org/10.1016/j.cej.2018.06.052> ; relevant to the work of WP2.
2. K. Lokesh, L. Ladu & L. Summerton, **Bridging the gaps for a 'circular' bio-economy: selection criteria, bio-based value chain and stakeholder mapping**, Sustainability 2018, 10(6), 1695; <https://doi.org/10.3390/su10061695>, Open access; Written by University of York and TUB relevant to the work of WP1.
3. F.S. Ferro, D.A. Lopes Silva, F.H. Icimoto, F.A.R. Lahr & S. González-García, **Environmental Life Cycle Assessment of industrial pine Roundwood production in Brazilian forests**, Sci. Total Environ., 2018, 640-641, 599; <https://doi.org/10.1016/j.scitotenv.2018.05.262>; written by Universidade de Santiago de Compostela relevant to the work of WP2.
4. S. Bello, C. Ríos, G. Feijoo, M.T. Moreira, **Comparative evaluation of lignocellulosic biorefinery scenarios under a life-cycle assessment approach**, Biofuel, Bioprod. & Bior., 2018, 12, 1047; <https://doi.org/10.1002/bbb.1921>; written by Universidade de Santiago de Compostela relevant to the work of WP2.
5. S. González-García, P. C. Morales & B. Gullón, **Estimating the environmental impacts of a brewery waste-based biorefinery: Bio-ethanol and xylooligosaccharides joint production case study**, Ind. Crops Prod., 2018, 123, 331; <https://doi.org/10.1016/j.indcrop.2018.07.003>; written by Universidade de Santiago de Compostela relevant to the work of WP2.
6. S. Majer, S. Wurster, D. Moosmann, L. Ladu, B. Sumfleth & D. Thrän, **Gaps and Research Demand for Sustainability Certification and Standardisation in a Sustainable Bio-Based Economy in the EU**, Sustainability, 2018, 10(7), 2455, <https://doi.org/10.3390/su10072455> written by DBFZ and TUB relevant to the work of WP1
7. S. González-García & J. Bacenetti, **Exploring the production of bio-energy from wood biomass. Italian case study**, Sci. Total Environ.,

- 2019, 647, 158; <https://doi.org/10.1016/j.scitotenv.2018.07.295> written by Universidade de Santiago de Compostela relevant to the work of WP2.
8. E. Imbert, L. Ladu, A. Tani, P. Morone, **The transition towards a bio-based economy: A comparative study based on social network analysis**, J. Environ. Manage., 2019, 230, 255-265; <https://doi.org/10.1016/j.jenvman.2018.09.068> written by TUB and Unitelma relevant to the work of WP5.
 9. D. Briassoulis, A. Pkiasi, M. Hiskakis, **End-of-waste life: Inventory of alternative end-of-use recirculation routes of bio-based plastics in the European Union context**, Critical Reviews in Environmental Science and Technology, 27 Mar 2019, <https://doi.org/10.1080/10643389.2019.1591867> written by Agricultural University of Athens, relevant to the work of WP4.

Book chapters

Further to the 2 papers listed in the Year 1 report, the following 5 book chapters were published during year 2:

10. S. Bello, G. Feijoo, M. T. Moreira, **Energy Footprint of Biorefinery Schemes** In: Muthu S. (eds) Energy Footprints of the Bio-refinery, Hotel, and Building Sectors. Environmental Footprints and Eco-design of Products and Processes, Springer, Singapore, 2019, pages 1-45, https://doi.org/10.1007/978-981-13-2466-6_1 written by Universidade de Santiago de Compostela relevant to the work of WP2.
11. S. González-García, P. Gullón, B. Gullón, **Bio-compounds Production from Agri-food Wastes Under a Biorefinery Approach: Exploring Environmental and Social Sustainability** In: S.S. Muthu (Ed) Quantification of Sustainability Indicators in the Food Sector, (part of the Environmental Footprints and Eco-design of Products and Processes, book series), 2018. Chapter 2, Springer, pages 25-53, https://doi.org/10.1007/978-981-13-2408-6_2, written by Universidade de Santiago de Compostela relevant to the work of WP2 and WP6.
12. I. Salim, L. Lijó, G. Feijoo, M. T. Moreira, **Addressing Environmental Criteria and Energy Footprint in the Selection of Feedstocks for Bioenergy Production** In: Muthu S. (eds) Energy Footprints of the Energy Sector. Environmental Footprints and Eco-design of Products and Processes, Springer, Singapore, 2019, Pages 1-46. https://doi.org/10.1007/978-981-13-2457-4_1 written by Universidade de Santiago de Compostela relevant to the work of WP2.
13. L. Lijó, S. González-García, D. Lovarelli, M. T. Moreira, G. Feijoo & J. Bacenetti, **Life cycle assessment of renewable energy production from biomass** In: Basosi, R., Cellura, M., Longo, S., Parisi, M.L. (Eds.) Life Cycle Assessment of Energy Systems and Sustainable Energy Technologies. The Italian Experience, Springer, 2019. Pages 81-98, https://doi.org/10.1007/978-3-319-93740-3_6 written by Universidade de Santiago de Compostela relevant to the work of WP2.
14. S. González-García, B. Gullón, G. Feijoo, M. T. Moreira, **Environmental Concerns on the Production of Value-Added Bioproducts From Residual Renewable Sources** In M. Hosseini (Ed), Advances in Feedstock Conversion Technologies for Alternative Fuels and Bioproducts, Chapter 18, pages 339-353, <https://doi.org/10.1016/B978-0-12-817937-6.00018-7> written by Universidade de Santiago de Compostela relevant to the work of WP2.

Furthermore, the book **Sustainability Transition Towards a Bio-Based Economy: New Technologies, New Products, New Policies** edited by STAR-ProBio coordinator Piergiuseppe Morone, brings together all the papers published in the special issue of the Sustainability journal. Published in November 2018, this book particularly highlights outputs of Work Packages 1 and 6; <https://www.mdpi.com/books/pdfview/book/1025>. This book contains three scientific articles listed above, reprinted as book chapters:

- Kadambari Lokesh, Luana Ladu and Louise Summerton Bridging the Gaps for a 'Circular' Bioeconomy: Selection Criteria, Bio-Based Value Chain and Stakeholder Mapping
- Pasquale Marcello Falcone and Enrica Imbert Social Life Cycle Approach as a Tool for Promoting the Market Uptake of Bio-Based Products from a Consumer Perspective
- Stefan Majer, Simone Wurster, David Moosmann, Luana Ladu, Beike Sumfleth and Daniela Thran Gaps and Research Demand for Sustainability Certification and Standardisation in a Sustainable Bio-Based Economy in the EU

These reprints have not been accounted for in the total number of scientific publications; only the original prints in the *Sustainability Journal* are accounted for in the 17 scientific publications so far.

Non-scientific publications

STAR-ProBio partners have also published five non-scientific publications, using magazines and web platforms. These non-scientific publications aim at disseminating project information and news to policy makers, business stakeholders, public procurers, certification bodies, researchers, students, political stakeholders and general public.

Further to the 7 publications listed in the Year 1 report, the following 5 Non-scientific publications were published during year 2:

1. **Project profile: Sustainability Transition Assessment and Research of Bio-based Products - STAR-ProBio**, ResearchGate profile created by partner UNIBO to spread project information within their network at the end of April 2018 (shortly after submission of D10.3, the 1st year Communication and Dissemination report and hence not previously reported). Since its creation 18 updates on STAR-ProBio activities have been published in the project log. Available at <https://www.researchgate.net/project/Sustainability-Transition-Assessment-and-Research-of-Bio-based-Products-STAR-ProBio-2>
2. **STAR-ProBio and TO-SYNFUEL: two Horizon 2020 projects for the valorisation of bio-based products and residual biomass** article written by UNIBO for the April newsletter of the Italian network of LCA (published after submission of Year 1 report). Available at <http://www.reteitalianalca.it/newsletter/newsletter-rete-lca-aprile-2018/view>
3. **I prodotti biobased sono davvero vantaggiosi per l'ambiente?**, published by partner UNIBO in their University magazine on 01/06/2018 relevant to the work of WP7. Available at <https://magazine.unibo.it/archivio/2018/06/01/i-prodotti-biobased-sono-davvero-vantaggiosi-per-l2019ambiente>
4. **STAR-ProBio: Sustainability Transition Assessment and Research of Bio-based Products** published as an article on the UNIBO website providing an overview of the project. Available at

<https://www.unibo.it/en/research/projects-and-initiatives/research-projects-horizon-2020-1/star-probio>

5. **A risk evaluation approach for indirect land use change associated to biobased products** published on 6/7/2018 on the UNIBO portal. This web article details the proceedings of the SETAC conference with regards to the presentation given on WP7 work. Available at <https://cris.unibo.it/handle/11585/636749?mode=full.2224#.XHfsI7jSLIU>

6 Conferences, workshops and other oral communication

Partners of STAR-ProBio have organised 7 events (workshops, stakeholder events etc.) and communicated in 34 more (27 oral presentations, panel discussions etc. and 7 posters) during the second year of STAR-ProBio. According to STAR-ProBio's Communication and Dissemination Strategy, the research teams will aim to participate and present in at least 6 international conferences and trade fairs. All these activities are summarised in Tables 2, 3, 4 and 5. The respective dissemination forms with all detailed information of these activities are presented in Annex 2.

All the events organised by STAR-ProBio have adopted a cooperative approach, promoting active exchange with experts invited. Presentations, posters and panel debates in which STAR-ProBio members have participated were carefully prepared to address a varied audience including industry representatives, legislators and policy makers, standardisation and certification professionals, environmental NGOs and the scientific community in general.

The following STAR-ProBio communication and dissemination actions are included in this chapter:

- Table 2: 6 Workshops and experts focus groups organised by partners
- Table 3: 27 oral presentations and panel discussions
- Table 4: 7 poster presentations
- Table 5: 1 Attendance by STAR-ProBio team members to specialised seminars

Further to the 4 events listed in the Year 1 report, the following 6 events were organised during year 2:

Table 2: Workshops and experts focus groups organised by partners during the second year of STAR-ProBio

Nº	Title	Date/place	Audience	Partners involved	Further details
1	Priorities for Sustainability Assessment Factors for Bio-Based Products	26/07/2018 Web-based	6 + 10 project partners. The external experts from three member states came from the stakeholder groups public procurement, industry associations, consumer voice in standardisation, research	TUB	Focus group event in WP5 to support the Delphi study
2	Bewertung biobasierter Produkte: die soziale Dimension	05/09/2018 Berlin, Germany	9 German experts representing the stakeholder groups businesses, standards bodies, certification bodies, industry associations, governmental organisations, NGOs, researchers	TUB	Regional WP6 event to specify social LCA elements
3	Sustainability Metrics: Tracking, Measuring and Reporting Responsible Innovation	10/9/2018 York, UK	20 scientists, researchers and industry representatives from across Europe	YORK	The workshop was organised to promote the STAR-ProBio project amongst sustainability experts who were interested to share the significance of using green and efficiency indicators in addition to LCA to ensure a holistic coverage of product sustainability assessment, in the context of bioeconomy and

					circular economy. Kadam Lokesh presented on the STAR-ProBio project and specifically on the work of WP3 detailing the development of LCA complimentary novel approaches to measure resource efficiency, as well as running breakout sessions and quizzes.
4	STAR-ProBio interactive workshop on Bio-Based Products Social Sustainability	27/09/2018 Turin, Italy	11 experts, researchers, consumers, producers from across Europe	UNITELMA	Interactive workshop, organised as a side event of IFIB 2018, the International Forum on Industrial Biotechnology and Bioeconomy. The goal of the workshop was validation of the social and socio-economic impact categories list pertaining to the bio-based products realm that were selected in WP6 by an extensive literature review and brainstorming on the relevant social indicators. More detail available at https://ifib2018.b2match.io/page-4541
5	Sustainability Transition Assessment and Research of Bio-based Products: Adding value of bio-based products in sustainable development	03/10/2018 Olsztyn, Poland	16 Polish researchers	UWM	Third internal workshop organised by UWM summarising current work on WPs 1, 2, 3, 4, 7, 8, 9 and 10

6	Sustainability Transition Assessment and Research of Bio-based Products: „Preliminary results on the sustainability of bio-based products in the framework of circular bioeconomy”	14/03/2019, Olsztyn, Poland	12 Polish researchers	UWM	Fourth internal workshop organised by UWM summarising current work on WPs 2, 3, 4, 7, 8, 9 and 10
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Further to the 10 oral communications listed in the Year 1 report, the following 27 oral communications were delivered during year 2:

Table 3: Participation with oral presentations and panel discussions in specialised events during the second year of STAR-ProBio

Nº	Title	Date/place	Audience	Partners involved	Further details
1	Oral Presentation 'Environmental sustainability assessment of biorefinery production chains from lignocellulosic biomass' at the International Conference on MATERIALS & ENERGY	30/04/2018-04/05/2018 San Sebastian, Spain	Academic researchers, industrialists and professionals from across the world	2	Maria Teresa Moreira (presenter), Sara Bello, Carmen Ríos, Gumersindo Feijoo (USC)
2	Oral presentation 'Development of non-conventional LCA indicators for circular characteristics of bio-based products' at SETAC Europe 28 th annual meeting, Responsible and Innovative Research for Environmental Quality	13/05/2018-17/05/2018 Rome, Italy	Scientists, researchers, directors, editors, policy makers, students, conservationists, ecologists, 2600 people attended conference from across the world	1 & 3	Kadam Lokesh (speaker YORK), Xavier Bengoa, Stefan Majer, Alexi Ernstoff, Filippo Sessa and Vincent Rossi
3	Oral presentation 'A risk evaluation approach for indirect land use change associated to biobased products at SETAC Europe 28 th annual meeting, Responsible and Innovative Research for Environmental Quality	13/05/2018-17/05/2018 Rome, Italy	scientists, researchers, students; ca. 100 from across the world	7	Diego Marazza (speaker, UNIBO), Enrico Balugani, Stefan Majer, Vincent Rossi, Janusz Gołaszewski, Luca Compagnoni, Serena Righi

4	Oral presentation "Gaps and research demand analysis from current certification and standardisation in a sustainable biobased economy" at European Biomass Conference and Exhibition (EUBCE)	14/05/2018-18/05/2018 Copenhagen, Denmark	scientists, researchers, industry; 50-100 attendees from across Europe	1	Stefan Majer, David Moosmann, Simone Wurster, Luana Ladu, Daniela Thrän (DBFZ and TU Berlin)
5	Panellist at BIOVOICES's Mobilization and Mutual Learning (MML) Workshop "Boosting circular bio-based economy in cities, Lessons learnt from EU funded projects and local stakeholders"	22/5/2018 Brussels, Belgium	local and regional governments, biobased industries, research institutions, consumer organizations, the European Commission, and other relevant European funded projects, attendees from Europe		Piergiuseppe Morone, Unitelma The BIOVOICES project, funded by the European Commission, aims at promoting multistakeholders dialogue to address societal, environmental and economic challenges related to bio-based products and applications. This Mobilization and Mutual Learning event brought together selected representatives from local and regional governments, bio-based industries, research institutions, consumer organizations, the European Commission, and other relevant European funded projects, to share ideas and experiences in working towards a sustainable circular bioeconomy
6	Panellist and oral presentation 'Gaps in sustainability tools and schemes for biobased products and stakeholders' preferences and expectations' at The role of biobased products in decarbonizing the	22/5/2018 Brussels, Belgium	30 Policy makers, Industry, NGOs, researchers; EU/European policy maker level	1,5,9	S. van Iersel(a), S. Ugarte(a), S. Majer(b), D. Moosmann(b), L. Ladu(c), S. Wurster(c) (a) SQ Consult, (b) DBFZ, (c) Technical University Berlin

	economy; Direct interaction with stakeholders				
7	Oral Presentation 'Biorefinery processes in circular economy ' at BioBIGG conference "Business potentials for SMEs within the bioeconomy"	24/05/2018 Gdańsk, Poland	policy makers, scientists, researchers, students, 60 from across Europe	8,9	Janusz Gołaszewski (UWM)
8	Oral presentation "Recirculation and alternative end-of-use / end-of-life routes of bio-based products" at the LIFECAB summer school "Valorization of agro-industrial residues and side streams for the development of a sustainable bio-economy"	28/5/2018-29/5/2019 Athens, Greece	200 scientists, researchers, students, postgraduate students, ecologists, general public; European & International (Greece, Italy, Spain, Colombia, Cyprus)	4	Demetres Briassoulis (AUA)
9	Talk in the Session entitled 'Fate Circolare' at Fatti di plastica conference	05/06/2018 Rome, Italy	scientists, researchers, ecologists and the general public, about 80 from Italy		Piergiuseppe Morone, Unitelma https://www.cnr.it/it/evento/15714
10	Short talk on STAR-ProBio at EURAS Conference 2018 (Standards for a Smarter Future);	13/6/2018-15/6/2018, Dublin, Ireland	Scientists, researchers, professionals; ca. 40 from across Europe		Piergiuseppe Morone, Unitelma http://www.euras.org/web1/
11	Oral presentation 'Inventory of alternative end-of-life routes of bio-based products – A Review 'at 6th International Conference on Sustainable Solid Waste Management (NAXOS) 2018	13/06/2018-16/06/2018 Naxos, Greece	scientists, researchers, policy makers, students, conservationists, ecologists; ca. 1500 people attended conference from around the world (more than 600 abstracts received from 68 countries)	4	Briassoulis D, Pikasi A., Hiskakis M. https://naxos2018.uest.gr/images/first_draft_NAXOS2018agenda.pdf
12	Oral presentation 'Untangling the different shades of green of the Italian forest-based sector towards a sustainable energy	14/06/201	Scientists, researchers, policy makers from		P. M. Falcone, A. Tani, V. Tartiu (Unitelma)

	transition' at Transitions in practice and everyday life conference track (IST 2018,	Manchester, UK	across the world, numbers unknown		
13	Oral presentation on the activities of Centre for Bioeconomy and Renewable Energies (UWM) in the field of bioeconomy at the seminar summarizing the Project SUPERBIO (H2020), 16/06/2018, Łódź, Poland	16/06/2018 Łódź, Poland	scientists, policy makers, researchers, students, ecologists, 60 people from Poland		Janusz Gołaszewski (UWM) Superbio is a Horizon2020 innovation project that aims to develop new, innovative, cross-border and cross-sectorial industrial value chains in the bio-based economy
14	Oral presentation 'Land use efficiency indicators for bio-based production ' at the Annual Congress on Plant Science and Bio Security	12/07/2018-14/07/2018 Valencia, Spain	scientists, researchers; 80 from around the world	7, 8	Krystyna Żuk-Gołaszewska (UWM)
15	Oral presentation 'A risk evaluation approach for land use change associated to biobased products' at the 51st International Seminars on Planetary Emergencies Erice, Science for Peace the world over	19/08/18 Erice, Sicily, Italy	scientists, researchers, students; 100 from across the world		Diego Marazza (UNIBO)
16	Oral Presentation 'Transitioning towards bioeconomy: assessing the social dimension through the lenses of the stakeholders ' at 6th Social Life Cycle Assessment conference - People & Places for Partnership	10/09/2018-12/09/2018 Pescara, Italy	Scientists, researchers, policy makers form across the world	6	P. M. Falcone (presenter), E. Imbert, A. Tani, V. Tartiu, P. Morone. (Unitelma)
17	Oral presentation 'Anaerobic digestion as an option of the end-of-life phase of bio-based products in the light of the EU regulations' at the VI Baltic Biogas Forum	13/09/2018, Gdańsk, Poland	scientists, researchers, students; 70 from Poland, Germany and Norway		Janusz Gołaszewski (UWM)

18	Oral presentation 'Estimation of the externalities in a complex life cycle analysis, with lignocellulose biomass production given as an example' at the 2nd International Conference on Bioresource Technology for Bioenergy, Bioproducts & Environmental Sustainability (BIORESTEC)	16/09/2018-19/09/2018 Sitges, Spain	scientists, researchers, editors, students; 400 people from across the world	4, 8, 9	E. Olba-Ziety, M. Krzyzaniak, J. Golaszewski, M.J. Stolarski (UWM)
19	Invited presentation entitled 'The change we can make: the role of society in the transition to circular bioeconomy. Italian experience' at the European Bioeconomy Congress Lodz 2018	24/09/2018, Lodz, Poland	Scientists, researchers, policy makers.; ca. 800 participants from across Europe including experts with roots in local governments and regulatory bodies, representatives of business, academia and NGOs.		Piergiuseppe Morone (Unitelma Sapienza)
20	Oral presentation 'SAT-ProBio Bio-Based Products Sustainability Assessment Blueprint' at the Fourteenth plenary meeting of CEN/TC 411	2/10/2018 Stockholm, Sweden	Technical Committee members (Europe)		Piergiuseppe Morone (Unitelma) and Luana Ladu (TUB) gave the presentation; Unitelma, TUB, ECOS, UWM all involved
21	Oral presentation 'STAR-ProBio Sustainability Transition Assessment and Research of Bio-based Products' at Forum CompraVerde BuyGreen 2018 (XII Edizione), Mobilization and Mutual Learning (MML) Workshop "The role of Green Public procurement in boosting Bioeconomy: challenges, opportunities and barriers to overcome"	18/10/2018-19/10/2018 Rome, Italy	scientists, researchers, policy makers, ecologists, general public from Italy		Valentina Tartiu (Unitelma) organized by the BIOVOICES project
22	Seminar "Valutare la sostenibilità, utilizzare il GPP, promuovere la"	18/10/2018-19/10/2018	scientists, researchers, policy makers,		Piergiuseppe Morone and Valentina Tartiu (Unitelma)

	bioeconomia" at Forum CompraVerde BuyGreen 2018 (XII Edizione), Mobilization and Mutual Learning (MML) Workshop "The role of Green Public procurement in boosting Bioeconomy: challenges, opportunities and barriers to overcome"	Rome, Italy	ecologists, general public from Italy		organized by the BIOVOICES project
23	Oral Presentation 'Heterogeneous acid-catalysis for the production of furan-derived compounds from renewable carbohydrates: a life cycle approach' at 4th Iberoamerican Congress On Biorefineri	24/10/2018-26/10/2018 Jaen, Spain	100 students, scientists, researchers from across the world	2, 4	Sara Bello, Iana Camara Salim, Maria Teresa Moreira and Gumersindo Feijoo. Presenter: Iana Camara Salim (USC) http://ceaema.ujaen.es/4CIAB/home-2/
24	Oral presentation 'Process modelling and life cycle assessment of furandicarboxylic acid as a precursor of bioplastics' at 4th Iberoamerican Congress On Biorefineries (4-CIAB)	24/10/2018-26/10/2018 Jaen, Spain	100 students, scientists, researchers from across the world	2	Sara Bello, Pedro Mendez-Trelles, Iana Camara Salim, Eval Rodil, Maria Teresa Moreira and Gumersindo Feijoo. Presenter: Sara Bello (USC) http://ceaema.ujaen.es/4CIAB/home-2/
25	Presentation on Star-ProBio at BIO Deutschland - Sitzung der AG "Industrielle Bioökonomie"	12/11/2018 Berlin, Germany	businesses (Europe), 20 individuals		Luana Ladu and Simone Wurster (TUB) Direct interaction with stakeholders Article about the meeting available here https://www.biodeutschland.org/de/nachrichten/treffen-der-ag-industrielle-biooekonomie-2915.html

26	Oral Presentation 'Standards for bio-based evaluation bio-based content and sustainability criteria for bio-based plastics' at the 13th European Bioplastics Conference 2018	4/12/2019 Berlin, Germany	Industry representatives, researchers, policy makers and students. 420 delegates from more than 253 companies and 40 countries (mainly European)		Mathilde Crepy (ECOS)
27	Oral presentation 'CIRCULAR AGRIFOOD (Spreco alimentare, economia circolare e bioeconomia: dal problema alla soluzione)' at EU Industry Day 2019 – Closing the loop/Closing the loop – Promuovere l'economia circolare nella Regione Marche	8/3/2019 Ancona, Italy,	scientists, researchers, policy makers, general public from Europe		Piergiuseppe Morone acted as chair of the session. Within this session, Francesca Govoni presented STAR-ProBio. (unitlema)

The following 7 posters y were presented at conferences during year 2:

Table 4: Participation with poster presentations in specialised events during the second year of STAR-ProBio

N°	Title	Date/place	Audience	Partners involved	Further details
1	Poster Presentation 'Environmental, social and economic challenges towards a bio-based economy: the STAR-ProBio project, Sustainability Transition Assessment and Research of Bio-based Products 'at SETAC Europe 28th annual meeting, Responsible and Innovative Research for Environmental Quality	13/05/2018-17/05/2018 Rome, Italy	scientists, researchers, students; 500 from across the world	7	Morone P. Righi S (presenter). Summerton L. Ladu L. Majer S. Ugarte S. Golaszewski J. Olsztynie W. Waskiewicz K. Bengoa X. Razza F. Haraldsson H.V. González-García S. Fedrigo-Fazio D. Grill M.
2	Poster Presentation 'How the social pillar can be properly integrated into sustainability evaluation methodology? Evidence from bio-based products case study' at SETAC Europe 28th annual	13/05/2018-17/05/2018 Rome, Italy	Scientists, researchers, policy makers from across the world	6	P. M. Falcone, E. Imbert, A. Tani, V.E. Tartiu, P. Morone (Unitelma)

	meeting, Responsible and Innovative Research for Environmental Quality				
3	Poster presentation 'Environmental assessment of multiproduct biorefinery systems for the valorisation of chestnut shells at 4th Iberoamerican Congress On Biorefineries (4-CIAB)	24/10/2018-26/10/2018 Jaen, Spain	scientists from across the world	2	Sara González-García, Patricia Gullón, Jalel Labidi and Beatriz Gullón (USC & University of Basque Country) Abstracts' book. ISBN 978-84-9159-144-3; Pages 843-848
4	Poster presentation 'Biotechnological production of apple pomace-based succinic acid – Environmental analysis ' at 4th Iberoamerican Congress On Biorefineries in Jaen (4-CIAB)	24/10/2018-26/10/2018 Jaen, Spain	scientists from across the world	2	Sara González-García, Lucía Argiz, Patricia Míguez and Beatriz Gullón (USC & University of Basque Country) Abstracts' book. ISBN 978-84-9159-144-3; Pages 841-842
5	Poster presentation 'The interest of environmental assessment of bio-based bioadhesives production ' at 4th Iberoamerican Congress On Biorefineries in Jaen (4-CIAB)	24/10/2018-26/10/2018 Jaen, Spain	scientists from across the world	2	Maria Teresa Moreira, Antonio Cortés, Thelmo Lu-Chao, Gumersindo Feijoo (USC) Abstracts' book. ISBN 978-84-9159-144-3; Pages 841-842 http://ceaema.ujaen.es/4CIAB/home-2/
6	Poster presentation 'Zmiany użytkowania gruntów w województwie warmińsko-mazurskim w latach 1990-2012' (Land use changes in Warmia-Masuria Voivodeship in the period 1990-2012) at GIS Olsztyn	5/12/2018 Olsztyn, Poland	60 scientists, researchers, students from Poland	7	Barbara Kalisz, Paweł Sowiński, Janusz Gołaszewski, Przemysław Slesiński, Krystyna Żuk-Gołaszewska, Wioleta Radawiec (UWM)
7	Poster presentation 'The dynamics of land use change associated to biobased products: focus on the economic effects' at the Italian Association of Environmental	07/02/2019-08/02/2019 Udine, Italy	100 scientists, researchers, students from around the world	7	Diego Marazza, Enrico Balugani, Roberto Porcelli (UNIBO)

	and Resource Economists (IAERE) 7th Annual Conference				
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Further to the 3 attendances listed in the Year 1 report, the following attendance took place during year 2:

Table 5: Attendance by STAR-ProBio team members to specialised seminars

Nº	Title	Date/place	Audience	Partners involved	Further details
8	Comparative Life-Cycle Assessment of alternative feedstock for plastics production;	29/11/2018-30/11/2018 Brussels, Belgium	One member YORK	YORK	Participation in stakeholder engagement workshop organised by the EC-JRC. Attendance due to relevance to WP2 & 3 and possibility to provide comments and input to the project, as well as networking with the 60 . Scientists, industrial experts, policy makers from Europe also working in the field.

7 Outreach and training

Outreach is among the most important aspects of STAR-ProBio's dissemination activities. Outreach and training materials (posters, brochures, leaflets, newsletters, fact sheets, etc.) are used as a means to give visibility to the project and provide relevant information to all publics. All STAR-ProBio outreach and training materials and presentations use the STAR Pro-Bio's logo and templates. The EC logo is shown in all of them and the grant agreement reference is prominently placed.

During the second year of STAR-ProBio activities eight outreach and training event took place. Partners have produced one public engagement talk, two hands-on workshops for schools and participated in three exhibitions. The talk targeted researchers, students and the general public. Exhibitions target scientists, researchers, students and conservationists, as well as informing experts from other projects/initiatives and the general public. Two dedicated training sessions were also run, one on biorefineries and the other on sustainability analysis, targeting scientists, researchers and PhD students. All these activities are summarised in Table 6. The respective dissemination forms with all detailed information of these activities are presented in Annex 3.

Further to the 3 outreach events listed in the Year 1 report, the following 8 outreach and trainings were delivered during year 2:

Table 6: Outreach and training events in Year 2

N°	Title	Date/place	Audience	Partners involved	Further details
1	Bioeconomy Village Part of the "Festival dello sviluppo sostenibile 2018" http://festivalsvilupposostenibile.it/2018/cal/141/bioeconomy-village#.WvQzGy9abBj	24/05/2018 Rome, Italy	scientists, researchers, students and the general public	Unitelma Sapienza	The BIOECONOMY Village, promoted by the European BIOWAYS, STAR-ProBio, BIOVoices and EXCornsEED projects, aims to raise awareness, improve knowledge on products of renewable origin and promote the applications and benefits of Bioeconomy, the circular economy and the sustainability, fostering dialogue, confrontation and sharing

					between the general public, researchers and companies. Through the display of products, examples, thematic workshops and practical demonstrations, visitors are shown, in a clear and engaging way, how the bioeconomy is increasingly part of our daily lives and how conscious consumer choices can have a positive impact on the environment, society and the economy
2	Product choices: The Science behind material karma Soapbox Science public engagement event	16/06/2018 Newcastle, UK,	researchers, students, general public; ca. 30	YORK	Soapbox Science is a novel public outreach platform for promoting women scientists and the science they do. related to the work of WP3. http://soapboxscience.org/soapbox-science-2018-newcastle/
3	Organisation of the "Bioeconomy Village" as part of the "European Researchers Night 2018".	28/09/18-29/09/18, Frascati, Italy	scientists, researchers, students and the general public from Italy, ca. 1000 over 2-day event	Unitelma Sapienza	European Researchers' Night is an open science event that makes science and the work of scientists familiar to audiences all over Europe. Unitelma organising participation including distribution of STAR-ProBio flyers and gadgets
4	Organisation of the "Bioeconomy Village" and distribution of STAR-ProBio	10/10/18 - 12/10/18 Rome, Italy	scientists, researchers, students and the general	Unitelma Sapienza	The Maker Faire is a showcase of invention, creativity, and resourcefulness 'the most

	flyers and gadgets as part of "Maker Faire Rome 2018". http://2018.makerfairerome.eu/en/		public, ca. 10.000 over 3-day event.		important event in the world of innovation'. (http://www.makerfairerome.eu/en/)
5	"Fundamentals of Environmental Assessment of Biorefineries" and "Hands on Experience: Environmental Analysis of Biorefineries (SIMAPRO)"	24/10/2018 - 26/10/2018 in Jaen, Spain	scientists, researchers and PhD students, ca. 50	USC	Course was organised within a conference, the 4th Iberoamerican Congress on Biorefineries (4-CIAB) held on and was attended by 50 people. The course consisted of two oral presentations, one theory lesson and a practical lesson using SimaPro: "Fundamentals of Environmental Assessment of Biorefineries" and "Hands on Experience: Environmental Analysis of Biorefineries (SIMAPRO)".
6	Training workshop on multi-criteria sustainability in life science industries, theory and practice	22/11/2018 London, UK	Researchers, ca. 20	USC	The training consisted of two oral presentations, one theoretical lesson and one practical lesson using SimaPro).
7	"Making plastic from potatoes" at the University of York Science Trail	19/03/2019 York, UK	110 secondary school children	York	This hands-on workshop was run as part of the University of York's annual Science Trail inviting regional schools to participate in activities and learn more about the research done at the university. 110 secondary school children learnt about conventional vs. biobased plastics and the importance of the bioeconomy

					before attempting to make their own bio-based plastic from potato starch.
8	"Making plastic from potatoes" at the York Cares Inspiring Minds Science Day	20/03/2019 York, UK	55 children	York	The York Cares' Inspiring Minds programme aims at inspiring disadvantaged children, aged 7-11, by linking real life and learning. In this hands-on workshop 55 children learnt about conventional vs. biobased plastics and the importance of the bioeconomy before attempting to make their own bio-based plastic from potato starch.

8 Other general dissemination activities

8.1 Electronic newsletter

Two electronic newsletters are planned per year. They are distributed by email, published on the website and announced on social media. The [second newsletter](#) was published in June 2018 and is included in Annex 5 and the [third newsletter](#) was published in December 2018 and is included in Annex 6. Figure 4 shows samples of the front pages of the year 2 newsletters. Free subscription to the newsletter is possible online via the project website. At the time of writing (April 2019), the newsletter has 116 subscribers.

The target group is all stakeholder groups that may benefit from the outputs and tools produced by STAR-ProBio, the scientific community and interested members of the public at large.

The second and third newsletters describe the overall project goals and how the individual Work Packages contribute, contains interviews with key researchers, introduce the main project deliverable: Sustainability assessment and System Dynamics tools SAT-ProBio and SyD-ProBio and report on several STAR-ProBio communication and dissemination activities at events and contain an outlook on forthcoming events.



Figure 4: Second and third newsletters of STAR-ProBio

The fourth newsletter is scheduled for June 2019. This and future editions will focus more on showcasing recently completed and upcoming project outputs, in order to generate awareness and interest in the knowledge and deliverables produced by the project.

SQ Consult has the overall responsibility for the newsletters. WP leaders are responsible for providing content material and for proposing articles related to the work and findings of their respective Work Packages. Partners can copy the content of different news items and distribute them using their existing communication materials such as their own newsletters, email lists and their websites, as long as the STAR-ProBio Visual Identity is followed (logo and URL).

8.2 Social media (LinkedIn, Twitter, Facebook)

STAR-ProBio maintains an active presence in three major social media platforms (LinkedIn, Twitter, Facebook). The main objective is outreach to both stakeholders and the general public, to be findable, recognizable and memorable. Social media are a valuable tool to get STAR-ProBio's existence, key messages and outputs across to a wide audience and to generate interest in the project and the societal issues that the project aims to alleviate.

- LinkedIn: <https://www.linkedin.com/in/star-probio-655816145>
LinkedIn is primarily aimed at a professional audience. Members interested in STAR-ProBio can easily follow the project. After the second year, 368 people have joined the project's network and 384 people follow the project through LinkedIn. The 64 entries posted on LinkedIn primarily showcase communication and dissemination events (many of which include photos) which STAR-ProBio is part of, share project news such as the publication of the newsletters and liking and sharing other related Horizon 2020 projects.

In addition to the project profile on LinkedIn, many STAR-ProBio team members have listed the project on their personal LinkedIn profiles, and several consortium members have shared STAR-ProBio news on their company/institution profile on LinkedIn.

- Facebook: <https://www.facebook.com/STAR-ProBio-343691609383137/>
Facebook is typically used for more informal purposes than LinkedIn, but it helps the user to discover news and information that their friends and liked profiles post. For STAR-ProBio it is therefore an important channel to communicate the project, its aim and outputs to the general public. Since the beginning of the project, the STAR-ProBio Facebook profile has gathered 141 followers and 132 likes. The profile contains videos and photos, almost exclusively from events in which the project was involved or participated. The 101 posts by the project on Facebook also concentrate on these events, on project outputs such as the newsletters and relevant related projects industry news. Other projects and people explicitly named STAR-ProBio several times in their posts. Further, many project partners have used their institutional Facebook account to promote STAR-ProBio.

Among the various uses of the STAR-ProBio Facebook account, this platform was used to live stream the first STAR-ProBio international workshop in Geneva, Switzerland (April 2018) and the European Researchers Night in Frascati, Italy (September 2018).

- Twitter: https://twitter.com/STAR_ProBio
Twitter is known for its large stream of short messages, which can be spread quickly through the platform. This is particularly useful for news and announcements from the project; posts can reach a large number of people

quickly, however older posts don't get much attention. The project's 148 tweets have generated 329 followers.

Several consortium partners also have used their company/institution Twitter account to share STAR-ProBio information.

9 Second annual workshop

The second annual workshop is planned to take place as part of the 24th EURAS Annual Standardisation Conference “Standards for a Bio-Based Economy” between 13 and 15 June 2019 and will be hosted by the LUISS Guido Carli University of Rome.

The 24th EURAS Conference is co-organised by The European Academy for Standardisation (EURAS), Unitelma Sapienza – Bioeconomy in Transition Research Group (BiT-RG), STAR-ProBio (H2020 RIA programme - grant agreement no. 727740) and the Chair of Innovation Economics – Technische Universität Berlin.

The Project Management Committee of STAR-ProBio has concluded that organising the Second Annual Workshop within the EURAS 2019 Conference is a very good opportunity for dissemination of results since the EURAS Conference will gather multiple stakeholders relevant for STAR-ProBio and papers of relevant topics for the STAR-ProBio debate will be presented during the Conference.

The STAR-ProBio Second Annual Workshop is organized jointly with the LIFECAB project and is scheduled on the afternoon of the 14th of June 2019. It will be organized in two different sessions: (1) a technical session aimed at presenting the work done so far by the two projects; and (2) a roundtable on “Standards as policy tools”.

The draft programme for the STAR-ProBio annual workshop during EURAS 2019:

16:30 - 18:00	STAR-ProBio/LIFECAB Session <ul style="list-style-type: none"> • Enzo Montoneri (University of Turin – DISAFA) • Michalis Koutinas (Cyprus University of Technology) • Apostolis Koutinas (Agricultural University of Athens) • Maria Teresa Moreira (University of Santiago de Compostela)
18:00 - 18:15	Coffee break
18:15 - 19:45	STAR-ProBio/LIFECAB Session
Session Chair: Piergiuseppe Morone, Unitelma Sapienza	Roundtable ‘Standards as policy tools’ <ul style="list-style-type: none"> • Uwe Fritsche (Director of IINAS) • Knut Blind (TU Berlin & FhG FOKUS) • Mathilde Crepy (ECOS – European Environmental Citizens’ Organisation for Standardisation) • Davide Mainero (Acea Pinerolese) • Elena Mocchio (UNI) • Monica Delsignore (Università degli Studi di Milano – Bicocca) • Renata Kaps (JRC) • Liliana Gamba (WWF) • Antoine Giezen (Rijkswaterstaat)
20:30	Gala Dinner

10 Expected activities for the third year 1-year period

For the third and final year, various communication and dissemination activities are planned. The implementation of a Summer School, a multi-stakeholder Round Table, a third and final Delphi Round, consumer preferences field experiment, two more newsletters, and a final STAR-ProBio event at the end of the project are among the other communication and dissemination activities foreseen for the third year of the project.

Furthermore at least 59 specific communication, dissemination and outreach activities are planned: planned written communication is planned is described in section 10.1 and further planned oral communication is described in section 10.2.

10.1 Publications

A dedicated STAR-ProBio book entitled *Transition towards a Sustainable Bio-based Economy* is in preparation which will be published by the Royal Society of Chemistry. The outline of the book chapters may be seen below:

- Introduction (Piergiuseppe Morone, Unitelma Sapienza, Italy);
- Chapter I – Upstream environmental assessment (Sara González, Universidad de Santiago de Compostela, Spain);
- Chapter II – Downstream environmental assessment (Kadambari Lokesh, University of York, UK);
- Chapter III – Techno-economic assessment (Demetres Briassoulis, Agricultural University of Athens, Greece);
- Chapter IV – Market assessment (Luana Ladu and Simone Wurster Technische Universität Berlin, Germany);
- Chapter V – Social assessment (Enrica Imbert, Unitelma Sapienza, Italy);
- Chapter VI – iLUC risk assessment for bio-based products (Diego Marazza, Università di Bologna, Italy);
- Conclusion (James Clark, University of York, UK)

Besides the STAR-ProBio book, at least a further 18 scientific publications are planned for the third year of STAR-ProBio. The list of expected publications is presented in Table 7.

Table 7: Expected scientific publications during the third year of STAR-ProBio

N°	Planned activity	WP	Date	Further Detail
1	STAR-ProBio book, see above			
2	Journal article	6	30/06/2018	Title: Untangling the different shades of green for the Italian forest-based sector transition towards a circular bioeconomy. (Falcone, P., Tani, A., Tartiu, V.E) Paper for Special Issue of Forest Policy and Economics Journal: "Circular

				forest bioeconomy - business, economics and sustainability"
3	Journal article	1,5&6	30/06/2018	Title: The role of policy-mix in the transition towards a circular forest bio-based economy (Imbert E., Ladu, L., Morone, P., Quitzow, R.) Paper for Special Issue of Forest Policy and Economics Journal: "Circular forest bioeconomy - business, economics and sustainability"
4	Book chapter	2	end of May 2019	Iana Câmara Salim, Sara Gonzalez-Garcia, Lucía Lijó, Gumersindo Feijoo, Maite Moreira. "Upstream environmental assessment of bio-based products". Transition towards a sustainable bio-based economy. Green Chemistry Series. The Royal Society of Chemistry.
5	Journal article	5	Nov 2019	Article on the results of the Delphi survey by TUB with the possible involvement of other partners for the Journal Sustainability - Special Issue "Sustainability and Standardization" -> standardization of sustainability dimensions (Deadline Nov. 2019)
6	Journal article	1, 5 & 6	Mid December	Title: Strengths and gaps of the EU framework for the sustainability assessment of bioeconomy products. Submitted to Energy, Sustainability and Society. Authors: David Moosmann, Stefan Majer, Beike Sumfleth, Daniela Thrän (DBFZ), Sergio Ugarte (SQ Consult), Luana Ladu, Simone Wurster (TUB).
7	Journal article	3 & 4	after Jan 2019	Combining hybridized metrics on environmental LCA and techno-economic sustainability assessment to enhance bio-based product evaluation (title tentative). Draft in preparation, Journal of Cleaner production or Nature sustainability; AUA, YORK & Quantis
8	Journal article	2	Under review	Iana Câmara Salim, Sara González-García, María Teresa Moreira, Gumersindo Feijoo. Title: Identifying the environmental indicators of the Sugar Platform based on wheat glucose. Submitted to Environmental management journal
9	Journal article	2	Under review	Antonio Cortés; Maria Teresa Moreira; Gumersindo Feijoo. "Integrated evaluation of wine lees valorization to produce value-added products" Submitted Waste Management journal

10	Journal article	2	Under review	Antonio Cortés, Gumersindo Feijoo, Antonio Chica, Javier Francisco Da Costa-Serra and M ^o Teresa Moreira. "Environmental implications of biohydrogen based energy production from steam reforming of alcoholic waste" submitted industrial crops and products journal
11	Journal article	2 & 3	TBD	Title: Production of flavonol quercetin from Onion (<i>Allium cepa</i> L.) waste: A life cycle approach. Sara González-García*, Beatriz Santiago, Ana Arias Calvo, María Teresa Moreira and Beatriz Gullón.
12	Journal article	6	TBD	Title: Transitioning towards bioeconomy: assessing the social dimension through the lenses of the stakeholders (P.M. Falcone, S. González-García, E. Imbert, L. Lijó, M.T. Moreira, A. Tani, V.E. Tartiu, P. Morone); Paper submitted to Corporate Social Responsibility and Environmental Management
13	Journal article	7	TBD	Barbara Kalisz, Krystyna Żuk-Gołaszewska, Janusz Gołaszewski, Wioleta Radawiec, "Land use efficiency indicators for bio-based production" (working title)
14	Planned publication	4	TBD	Estimation of the externalities in a complex life cycle analysis, with lignocellulose biomass production given as an example"(tentative title)
15	Journal article	2	TBD	Antonio Cortés, Gumersindo Feijoo, Jorge Domínguez, Marta Lores and Maria Teresa Moreira. "Vermicomposting as a sustainable way to achieve the complete valorization of grape marc." Date and journal paper to be defined.
16	Journal article	2	TBD	"Production of flavonol quercetin from Onion (<i>Allium cepa</i> L.) waste: A life cycle approach". Sara González-García, Beatriz Santiago, Ana Arias Calvo, María Teresa Moreira and Beatriz Gullón. Date and journal paper to be defined.
17	Journal article	8	TBD	Mirosława Witkowska- Dąbrowska "Harmonization in the assessment of biobased products in three pillars of sustainable development" (working title)
18	Journal article	8	TBD	Barbara Kalisz, Krystyna Żuk-Gołaszewska, Janusz Gołaszewski, Wioleta Radawiec, "Land use efficiency indicators for bio-based production" (working title)

19	Journal article	8	TBD	Ewelina Olba-Zięty, Michał Krzyżaniak, Mariusz Stolarski, Janusz Gołaszewski, "Estimation of the external cost for poplar chips production" (working title)
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At least 2 non-scientific publications are planned for the third year of STAR-ProBio (Table 8).

Table 8: Expected non-scientific publications during the third year of STAR-ProBio

Nº	Planned activity	Date	WP Lead	Further Detail
1	Article in DIN Mitteilungen "Marktakzeptanz von Zertifizierungskriterien für biobasierte Produkte und Implikationen für die Standardisierung"	June 2019	5	Article on D5.1 for the DIN Mitteilungen (Submitted in year 2 on 24 April 2019, publication in the June 2019 issue)
2	Article in DIN Mitteilungen on T9.2	Tbc although confirmed by the publisher	9	Article on the standardisation part of D9.2 for DIN Mitteilungen (confirmed by the publisher, intended submission Q3/Q4 2019)

10.2 Conferences, workshops and other oral communication

Indicatively, participations in at least 35 events are planned for the third year of STAR-ProBio (Table 9).

Table 9: Indicative list of expected oral presentations and panel discussions in specialised events

Nº	Event / Place	WP	Date	Further details
1	Workshop	8	14/05/2019	UWM are participating in the Stakeholder Workshop of STAR4BBI "Define Better Regulation and Standardisation to Promote a Level Playing Field for Bio-based Products", Cologne (Germany)
2	Conference	8	15/05/2019-16/05/2019	Janusz Gołaszewski, "The efficiency of resource use in the assessment of sustainability of bio-based products", 12th International Conference on Bio-based Materials, Cologne (Germany)

3	Conference	4, 7 & 8	26/05/2019-30/05/2019	Presentation at SETAC Europe 29th Annual meeting, Helsinki, Finland
4	Presentation at SETAC Europe 29th Annual meeting, Helsinki, Finland	3 & 4	26/05/2019-30/05/2019	Title: Incorporation of hybridised impact assessment methods into LCA for the environmental evaluation of bio-based products, YORK & Quantis (abstract submitted)
5	Oral presentation at EUBCE (27TH EUROPEAN BIOMASS CONFERENCE & EXHIBITION) in Lisbon, Portugal	9	27/05/2019-30/05/2019	Title: Identification and Certification of Low Indirect Land Use Impact Biomass for the EU Bioeconomy. Authors: Stefan Majer (DBFZ), Enrico Balugani (UNIBO), Beike Sumfleth (DBFZ), Daniela Thrän (UFZ). Dissemination of T9.1 results.
6	Oral presentation at EUBCE (27TH EUROPEAN BIOMASS CONFERENCE & EXHIBITION) in Lisbon, Portugal	1, 5 & 9	27/05/2019-30/05/2019	Title: Strengths and Gaps of the Current EU Bioeconomy Framework for the Sustainability Assessment of Bio-Based Products and Bioenergy. Authors: David Moosmann, Stefan Majer (DBFZ), Sergio Ugarte (SQ Consult), Luana Ladu, Simone Wurster (TUB).
7	Conference presentation at the 24th EURAS Annual Standardisation Conference, Rome	9	June 2019	Title: Bio-based products in the automotive industry: The need for eco-labelling, standards and regulatory support
8	Conference Call for abstracts Sustainability: Transdisciplinary Theory, Practice, and Action, Mississauga, Canada	3	After May 2019	A novel approach to place bio-based products on waste hierarchy, Kadam Lokesh
9	Conference	9	13/06/2019	Title: Bio-based products in the automotive industry: The need for eco-labelling, standards and regulatory support. Proceedings of the 24th EURAS Annual Standardisation Conference, Rome (Simone Wurster and Luana Ladu (TUB))
10	24th EURAS Annual Standardisation Conference, Rome	2	13/06/2019-15/06/2019	Paper submitted: Lucía Lijó, Sara González-García, Enrica Imbert, Pasquale Marcello Falcone, María Teresa Moreira. "Integration of social impact assessment into standardisation schemes for bio-based products"

11	Workshop	10	13/06/2019-15/06/2019	STAR-ProBio 2nd International Workshop at EURAS Conference 2019. STAR-ProBio will organise, in the framework of this event, its 2nd international workshop jointly with the LIFE CAB project. (Unitelma)
12	Conference	6	13/06/2019-15/06/2019	24th EURAS Annual Standardisation Conference, Rome. Paper submitted: "Tackling uncertainty in the bio-based economy". Authors: Pasquale Marcello Falcone, Enrica Imbert, Piergiuseppe Morone
13	Symposium	2	19/06/2019-21/06/2019	USC are organizing the 1st Mediterranean Symposium on Life Cycle Assessment (MeSyLCA 2019) to be held in the framework of the 3rd International Congress of Chemical Engineering, Santander (Spain)
14	3rd International Congress of Chemical Engineering, Santander, Spain (ANQUE-ICCE-CIBIQ 2019)	2	19/06/2019-21/06/2019	Paper submitted: Beatriz Santiago, Beatriz Gullón, Gumersindo Feijoo, María Teresa Moreira, Sara González-García. "Environmental consequences of Quercetin extraction from onion waste".
15	2nd International Conference ADAPTtoCLIMATE (Crete Island, Greece)	2	24/06/2019-25/06/2019	Paper submitted: Iana Câmara-Salim, Sara Bello, Gumersindo Feijoo, Maite Moreira. "Identifying new sugar sources and their environmental impacts".
16	Conference	10	26/06/2019-29/06/2019	Oral presentation at HERAKLION 2019 – 7th International Conference on Sustainable Solid Waste Management. Abstract title: "Sustainability assessment schemes and evidence-informed policy making to create the circular bio-based economy: the case of STAR-ProBio" (Unitelma)
17	Conference	8	24/07/2019-26/07/2019	Janusz Gołaszewski, "An approach for bio-based product-related land use change analysis", GEET19 International Conference on Green Energy and Environmental Technology
18	Workshop	8	August/September 2019	UWM are organising an internal seminar of STAR-ProBio at UWM
19	Workshop	3	Sept 2019	Sustainability Metrics: Tracking, Measuring and Reporting Responsible Innovation, planning in progress workshop to be organised by YORK
20	Workshop	3	September 2019	Sustainability Metrics: Tracking, Measuring and Reporting Responsible

				Innovation II, organised by Kadam Lokesh
21	Conference	8	02/09/2019-07/09/2019	Barbara Kalisz "Changes of land use structure in relations to soil units", 30th Polish Soil Congress, Lublin (Poland)
22	Conference	8	24/09/2019-26/09/2019	Barbara Kalisz "Application of Corine database in assessment of changes in land use structure", EBP6 Conference "Sustainability schemes for bio-based products in the framework of the circular bioeconomy", Olsztyn (Poland)
23	Conference	8	24/09/2019-26/09/2019	Janusz Gołaszewski, "Multi-criteria analysis for sustainability of bio-based products", EBP6 Conference "Sustainability schemes for bio-based products in the framework of the circular bioeconomy", Olsztyn (Poland)
24	Conference	8	24/09/2019-26/09/2019	Ewelina Olba-Zięty, "Techno-economic analysis of biobased product" (working title), EBP6 Conference "Sustainability schemes for bio-based products in the framework of the circular bioeconomy", Olsztyn (Poland)
25	Conference	8	24/09/2019-26/09/2019	Katarzyna Bernat, Dorota Kulikowska, Irena Wojnowska-Baryła, "Biodegradation of biobased products in anaerobic conditions", EBP6 Conference "Sustainability schemes for bio-based products in the framework of the circular bioeconomy", Olsztyn (Poland)
26	Conference	8	24/09/2019-26/09/2019	Dorota Kulikowska, Katarzyna Bernat, Irena Wojnowska-Baryła, "Biodegradation of biobased products in aerobic conditions", EBP6 Conference "Sustainability schemes for bio-based products in the framework of the circular bioeconomy", Olsztyn (Poland)
27	Conference	8	30/09/2019-04/10/2019	Irena Wojnowska-Baryła, Katarzyna Bernat, Dorota Kulikowska "Biodegradability and compostability of biobased products", 17th International Waste Management and Landfill Symposium, Sardinia (Italy)

28	Conference (2 contributions)	2	01/10/2019-06/10/2019	Oral presentations at 14th Conference on Sustainable Development of Energy, Water and Environment systems. Dubrovnik (Croatia).
29	Conference	8	27/10/2019-30/10/2019	Michał Krzykowski, Janusz Gołaszewski, Ewelina Olba-Zięty, Jakub Zięty, "Legislation and criteria in BBe sector", IBBC 2019 International Bioenergy & Bioproducts Conference, St. Louise (USA)
30	Conference	8	28/10/2019-30/10/2019	Ewelina Olba-Zięty, Janusz Gołaszewski, "Economic assessment of biobased products", 5th International Conference of Greening of Industry Network, Mexico (Mexico)
31	14th European Bioplastics Conference, Berlin, Germany	5?	03/12/2019-04/12/2019	participation only, no presentation, planned (tbc) by TUB
32	Conference	10	13/02/2020-16/02/2020	2020 AAAS Annual Meeting 'Envisioning Tomorrow's Earth' in Seattle (Unitelma)
33	Conference	10	April 2020	STAR-ProBio Final Conference in Brussels; This event will be jointly organised with the LIFECAB project.
34	Workshop	7	TBD	STAR-ProBio workshop on Task 7.3 Social Acceptance of ILUC proposed indicators and recommendations for land use policies (in cooperation with other tasks)
35	Presentation at national or international conference (to be identified)	3	TBD	Title: End-of-life options for biobased products in case of the application of the European waste hierarchy. (UWM)

10.3 Outreach and training

Indicatively, participation in at least 3 outreach events are planned for the third year of STAR-ProBio (Table 10).

Table 10: Indicative list of expected outreach to the general public during the third year of STAR-ProBio

Nº	Event / Place	WP	Date	Further details
1	Exhibition	10	18/10/2019-20/10/2019	Exhibition at Maker Faire Rome 2019 (Unitelma)
2	Exhibition	10	TBD	Exhibition at European Researchers' Night 2019 (Unitelma)
3	Outreach: SoapBox	3	after Jan 2020	Circular products and choices: Public views of bio-based products against

	Science- Public engagement/ talk			conventional products - draft in preparation; Kadam Lokesh
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Annex 1: Detailed forms for publications

Scientific publications

Non-scientific publications

This annex is not part of the public version of this report. You can request access by sending an email to communication@STAR-ProBio.eu explaining your intentions with the Detailed forms for publications.

Annex 2: Detailed forms for Conferences, workshops and other oral communication

Internal workshops and experts focus groups

Oral presentations and panel discussions

Attendance to specialised seminars

This annex is not part of the public version of this report. You can request access by sending an email to communication@STAR-ProBio.eu explaining your intentions with the detailed forms for Conferences, workshops and other oral communication.

Annex

STAR-ProBio D10.4: 2nd year report communication, dissemination and publication activities

Annex 3: Detailed forms for other general dissemination activities

This annex is not part of the public version of this report. You can request access by sending an email to communication@STAR-ProBio.eu explaining your intentions with the detailed forms for other general dissemination activities.

Annex 4: CoDNOC appointment letter

This annex is not part of the public version of this report. You can request access by sending an email to communication@STAR-ProBio.eu explaining your intentions with the CoDNOC appointment letter.

Annex 5: Second STAR-ProBio newsletter

Available online at <http://www.star-probio.eu/category/newsletter/>

Annex 6: Third STAR-ProBio newsletter

Available online at <http://www.star-probio.eu/category/newsletter/>

Annex

STAR-ProBio D10.4: 2nd year report communication, dissemination and publication activities

Annex

STAR-ProBio D10.4: 2nd year report communication, dissemination and publication activities

Appendix: Full report on outcomes of the second annual workshop

This appendix is not part of the public version of this report. You can request access by sending an email to communication@STAR-ProBio.eu explaining your intentions with the full report on outcomes of the second annual workshop.