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Reconfigurable **I**ntelligent **S**ustainable **E**nvironments for **6G** Wireless Networks (RISE-6G)

Deliverable 8.1

Dissemination and project Website

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Abstract

This deliverable will provide a detailed plan for dissemination activities of the project and details on project website and other dissemination media adopted by the project.

Keywords

Dissemination, Public Website, Workshops, Conferences, Exhibitions, Events

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1 Introduction

This deliverable sets the basis for an efficient and valuable dissemination activity within the RISE-6G project. It describes how promoting the outcomes of the project can be envisioned and actually be rolled out. This will largely be supported by publications, conferences, and specific workshops, and will also make use of a Public Website able to display a coherent view of achieved dissemination actions.

2 Dissemination and Communication Plan

In order to maximise the impact of the project a number of dissemination and exploitation activities of activities will be carried out within RISE-6G. The dissemination process of this project is a fundamental tool for creating an ecosystem that will consider the project output as key pillar for the revolution to B5G/6G networks and that can motivate standardisation bodies to consider the inclusion of specific RISE-6G solutions in future specifications and, to enforce the industrial and academic European leadership. A summary of foreseen measures to maximise the impact are reported in Table 2-1

Table 2-1: RISE-6G Identified Actions and Specified Expected Target Indicators

Category	Identified action	Expected Target Indicators
Standardisation and industry fora	Standards and industry groups impacted	3GPP RAN, 3GPP SA, IETF, ETSI ENI, ETSI NFV, ETSI MEC, ETSI NTECH.
	Total number of standards contributions by partners based on work in RISE-6G	More than 10
Intellectual Property	Number of patents applications	15 or more
Industrial and scientific dissemination	Participation in industrial and scientific exhibitions and events; business conferences	MWC, CEA Leti Innovation Days, NGMN, Orange Labs Research Exhibition, ETSI plug test, CES, IWPC, EuCNC: at least one per year starting from the second year.
	Number of small-scale demonstrators and trials	3 or more (2 trial as described in T7.2 and T7.3 and at least 1 PoC at EUCNC or other industrial and scientific exhibitions).
	Organisation and attendance of RISE-6G industrial, scientific and dedicated *RISE-*	One dedicated workshop per year, each with 100+ attendants, one *RISE-Training workshop* (see WP8) in the final quarter of the project. Organisation of at least one industry panel at key IEEE or EuCNC conferences.

	6G Training workshops and industry panels	
	5GPPP activities	Contribution to the main 5G PPP working groups and dedicated events.
	Summer/Winter schools	Co-organisation of the bi-annual 6G Como Lake Summer School (2021, 2023).
	Number of publications (Journals, Conferences, Workshops)	Around 100
Communication to the general public	Number of press-releases, radio interview, web vulgarization press articles, and general public dissemination	20 or more
	Webinars and Tutorials	20 or more
	Social media channels used	Twitter, LinkedIn, YouTube

In order to achieve the above results, a detailed dissemination and communication plan has been compiled by WP8 in coordination with the PMT and is presented in this section.

2.1 Dissemination Policy

RISE-6G will dedicate part of its activities to spreading the knowledge and achievements obtained by the project and make it available to the European and International research and industrial communities. Emphasis will be put on dissemination activities to best-in-class conferences, journals and other suitable events. The Dissemination strategy will be supported through broad-scale **Open Access Publishing** and **Self-Archiving** through the project Public Website that will be available at least 3 years (i.e., beyond year 2023) after the project lifetime. The dissemination of RISE-6G results are planned thoroughly to achieve a significant impact in the whole world:

Research, academic and educational community: During project lifetime: Publications in international peer-reviewed conferences, workshops and journals. Material will be made available on RISE-6G Public Website; Organisation of special sessions and related events at key conferences; Invited (educational) talks at Universities, Research Institutes, public academic and educational events, etc.; After project lifetime: Open (free-of-charge) provision of public project deliverables and publications in the project website, which will be available at least 3 years (i.e., beyond year 2020) after the end of the project; Project results will be used in follow-up research

beyond the life-time of the project. This will be national/international collaboration projects, PhD dissertations, industrial research projects, etc.

Industrial Community: During project lifetime: Showcasing of proof-of-concept platforms at key events such as the Mobile World Congress (MWC) or the International Wireless Industry Consortium (IWPC). Contributions to symposia, organisation of Webinars; Project's website & Press releases on key results and achievements. After project lifetime: The project results will be actively shared within the industrial consortium partners. Proof-of-Concept platforms will remain available for increasing visibility for productisation of the project outcomes.

Governmental (policy making), Social, Environmental and Regulation Authorities and Communities: During project lifetime: An active exchange of policy and regulation related project results is planned with Governmental and Regulation Authorities and Communities in particular through European Commission, regulatory authority, and ITU. A focus will be on the social-economic impact of the technology as well as measures for ensuring environmental compatibility. After project lifetime: Policy and regulation actions are always long-term. The actions will be triggered during the project lifetime but will then be followed up by industrial partners. This requires an alignment of the policy actions in the project with the objectives of industrial partners.

Investment Community: During project lifetime: Webinars are a good tool in order to have an active exchange of novel ideas with the investment community. Furthermore, the project will investigate novel opportunities for interactions with the start-up, business angel and investment community through dedicated events. After project lifetime: It is expected that the window of opportunity is limited for interaction with the investment and start-up community. The best point in time for interaction is expected to be in the 2nd year.

Target conferences and workshops:

Preliminary, intermediate and final project results will be continuously published through articles and research papers at various international and national known conferences and workshops. Considering the huge number of such conferences, the coordinator and the technical manager will keep a critical eye on the quality of them while achieving a qualified selection of appropriate conferences to participate in.

1. **High profile conferences in communication and networking** domains will be primarily targeted:
   - IEEE International Conference on Communications (ICC)
   - IEEE Global Communications Conference (GLOBECOM)
   - IEEE International Conference on Computer Communications (INFOCOM)
   - IEEE European Microwave Week (EuMW)
   - IEEE EMC+SIPI and EMC Europe Symposium
   - IEEE Antennas and Propagation Symposium
   - URSI: GASS, EMTS and Atlantic Radio Science Meetings
   - 6G Wireless Summit (https://www.6gsummit.com/)

2. **Conferences focused on the European community:**
   - European Conference on Networks and Communications (EuCNC)
   - European Wireless Conference (EW)
   - European Signal Processing Conference (EUSIPCO)

- European Conference on Antennas and Propagation (EUCAP)
- European Microwave Week (EUMW)

3. **High profile conferences in the wider scientific** domains that are relevant to the RISE-6G project:
   - ACM Special Interest Group on Data Communication (SIGCOMM)
   - Conference on emerging Networking EXperiments and Technologies (CoNEXT)
   - IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP)
   - Vehicular Technology Conference (VTC)
   - IEEE Wireless Communications and Networking Conference (WCNC)
   - IEEE International Workshop on Signal Processing Advances in Wireless Communications (SPAWC)
   - IEEE International Symposium on Personal, Indoor and Mobile Radio Communications (PIMRC)

The RISE-6G consortium will target such conferences with the intention to disseminate the project vision and results at large, including **paper and demo presentations and workshops**. More specifically, given the acknowledge experience of the members of RISE-6G in organizing workshop, special session and panels, the WP6 leader and the technical manager will coordinate close interactions with ongoing and accepted in the future H2020 and Horizon Europe EC research projects (including also Europe USA and Europe Asia specific collaboration project where many of the members of the consortium have leading roles).

The project target **at least the organisation of 1 workshop / industrial panel / exhibition per year during the project life with other 5GPPP projects**. The main objective of the organisation of such federating events will be to present and showcase the project results **also with the support of demos**, and exchange ideas not only with other projects, but also with the relevant industrial stakeholders. Moreover, the project will technically contribute to the yearly edition of the new-6G *dedicated workshop on B5G/6G technologies and hardware* at Leti Innovation Days which is organised every year from 2020 by the PC and have hundreds of industrial, vertical and academic participants from EU, USA, Asia. In addition, RISE-6G will **organise** during the last semester of the project, a **dedicated *RISE-6G training workshop*** to showcase the results of the project including the results of the two trials targeting the attendance from other EU project, EU commission, academic, research centres, industry, telecom operators and verticals.

Target journals and magazines: In addition to the conferences reported above, the following journals and magazines in the networking and communication field will be primarily targeted: IEEE Transactions (on Communications, Wireless Communications, Networking, Broadcasting, etc.), IEEE Journal on Selected Areas in Communications (JSAC), IEEE Letters, IEEE Communications Magazine, IEEE Wireless Magazine, Elsevier Computer Communication, Elsevier Computer Networks.

Webinars: The RISE-6G consortium will target conducting or contributing to webinars. Broad industrial and research community, among existing relevant contacts of the RISE-6G consortium partners, and among community attending 5GPPP concertation meetings will be invited to those webinars. Invitations will be also published in the RISE-6G website and in the newsletter.

More specifically, webinars will be organised after the first year, having the objective of presenting the project results. The content of webinars and dates will be published through the project portal and via social media linked to the project.

Skills and educational training and summer/winter schools: Educational training and the provision of new skill sets to industry experts and researchers are among the top priorities of the project. These objectives will be achieved through suitable invited talks and keynotes in the academic community, in Research Institutes, through the organisation of workshops, special sessions and Webinars on selected topics. Pedagogical case studies will be developed to facilitate comprehension of both the theory and practice behind the entrepreneurship and management related to emerging technologies. In addition, RISe-6G will **co-organise** two editions of the **6G Como Lake Summer school**, in 2021 and 2023, bringing experts of the projected (including ERC granter investigators) to lecture and showcase of prototype and hardware solutions.

Contribution to 5G PPP association and 5G PPP Expert groups: RISE-6G results will be disseminated to 5G PPP in order to outline potential future directions for 5G PPP and thus support smooth transition between 5G and 5G long term evolution, giving further visibility to RISE-6G outcomes. Most of the consortium members are active members of 5G PPP and active participants in some of the 5G PPP working groups. The PC and the TM will be in charge for the consortium of the liaison with approach 5G PPP members, the 5G PPP expert group and its steering member board and 5G PPP expert group.

Contributions to industry and research fora and associations: Contributions to industry and research fora and related associations will focus on activities in the field of beyond 5G and 6G network declarations and definitions, such as ITU, 5GPPP, 5G-IA, WRC, WWRF.

2.2 Communication Methods

The overall efficiency and impact for communication activities of the RISE-6G project will be maximised through a coordinated approach. Emphasis will be laid on consortium joint communication activities, including in particular joint contributions to best-in-class conferences, journals, keynote speeches, talks to expert groups, fora and standardisation meetings, etc. Furthermore, public showcasing of prototype platforms at key events will be used in order to provide a further emphasis on the project results. Corresponding messages will further be communicated broadly in press releases and through similar communication means.

RISE-6G will take the effort from the early stages of the project to create a basic set of necessary presentation materials targeted for various audience types: a **dissemination package** that will be used as the core communication measure to promote the project to different organisations and fora. The **project logo, website, newsletters, poster and leaflets** will be designed during the first 3 months of the project and will be used by all Partners of the project consortium during the whole project duration. Apart from the dissemination package, the principal communications methods are given below:

- **Project Website:** RISE-6G will share its concepts, results and achievements to the audience through its dedicated project website which will be designed, set up, operated and maintained using an advanced tools and platforms. The website will be the primary tool of communication and promotion of the project to distribute all the information to be shared among the project Partners and to the public. Moreover, the website will be tailored to be user friendly and to meet all audience types and their needs, offering an easy and quick access to the different areas of website.
- **Press Releases, Poster, and Leaflets:** RISE-6G will prepare and distribute project posters, press releases and leaflets on the project concept and objectives to a broad audience and to raise wide public awareness.

- **Video and other multimedia content:** RISE-6G will work on the creation of a video to present the proposed network scenarios and their capabilities towards the public. Various multimedia content (prototyping, proof of concept, talks, illustrations, etc.) are to be made available to the public through the public outreach channels (website, social media accounts) throughout the duration of the project.
- **Networks and Societies:** RISE-6G Partners will exploit their involvement in various communities at national and international level in order to promote the project concept and objectives (e.g., the European Technology Platform NetWorld2020, Stanford SystemX).
- **Exhibitions, Conferences:** RISE-6G Partners will use their participation to the most popular conferences (e.g., EUSIPCO, EUCNC, ICC, Globecom, PIMRC), exhibitions worldwide (Mobile World Congress, CES, further events in Korea and Asia are under consideration, Stanford SystemX Workshops, 5G global event, 6G Summit, other relevant dedicated beyond 5G and 6G event) in order to communicate the progress of the project, during the lifetime of the project.

Industry Events: RISE-6G Partners will participate to industry events organised by telecom operators (including mobile network operators, e.g., Mobile World Congress), with the aim to promote RISE-6G proposed network scenarios and technologies.

2.3 Coordination Strategy

2.3.1 Preparation of the dissemination package

The various dissemination items that will be included in the package will be coordinated by the WP8 leader with the appropriate delegation to the rest of the partners, according to the individual expertise, resources, and schedules. An outsourcing option is to be considered per-case, for the most demanding designs and fabrications, although it will be in general discouraged for budget-management reasons.

2.3.2 Levels of Partner involvement

The activities presented in the previous section can be classified into the following categories according to the number of involved partners:

- **Individual:** Activities that are carried out by individual Partners, without the explicit participation of the rest of the consortium. Such actions provide the highest amount of flexibility, while requiring the minimum amount of coordination. Notification to and approval from the involved partners (or the WP8 leader) must be granted. Examples of such actions are publications from authors affiliated with a single partner, interviews, invited/keynote talks, workshop organizations, technical committee chairing, special session management.
- **Partner-level collaboration:** Activities that are the result of a close cooperation between a subset of the Partners, centred around a specific (usually technical) contribution to the project that will be communicated externally. This level of collaboration may include most planned publications, tutorials, workshops, and is designed to allow for autonomous operation to the respective teams, while still achieving inter-Partner collaboration.
- **WP-level collaboration:** Centrally organised actions that target very important technical novelties and outcomes of the project. They are to be coordinated primarily by the respective WP leader(s).
- **Project-level collaboration :** This level has been specified to include actions that are expected to have the highest outreach to the community and require the joint effort of all

Partners. Their coordination plays a crucial role and is to be handled by the WP8 leader and the PMT. Specific examples at this level include magazine/technical publications that showcase the importance of the project and its main results (e.g. field trials), or setting up booths and field trials in conferences, summer schools, and webinars.

The above levels are presented in increasing order of expected impact. At the same time, the flexibility decreases and the management overhead increases in the higher levels. To that end, the project will aim at achieving the right balance in terms of dissemination activities. The intention is for numerous low-level activities to take place at the early stages of the project (with a limited number of very important high-level actions), before making a transition to pursuing higher levels of outreach efforts as the project progresses and results become available.

2.3.3 Internal recording and reporting

To facilitate seamless record-keeping, relevant repositories will be established in the shared project storage, along with the pertinent protocols and procedures for management and coordination of the dissemination and communication actions. All actions not directly managed by the WP8 leadership will be communicated through the WP8 emailing list, and the relevant material (e.g. presentation slides, manuscripts) will be stored to the designated locations. The WP leadership is responsible for listing the communicated activities according to their type. Those lists will be used for tracking the progress of the dissemination/communication effort of RISE-6G, with special focus on the key performance indicators presented in Table 2-1

3 PUBLIC WEBSITE

A public Web Site has been set up as a major point towards dissemination of the RISE-6G activities : https://rise-6g.eu

This public Web Site is based on a Sharepoint framework that is proposed by the CEA-Leti and offers some features that makes it comfortable to read and rich of potential information.

The Welcome page is providing with generic information about the project as well as news that will be updated during the full duration of RISE-6G, and even after, a minimum 3-year period is envisioned.

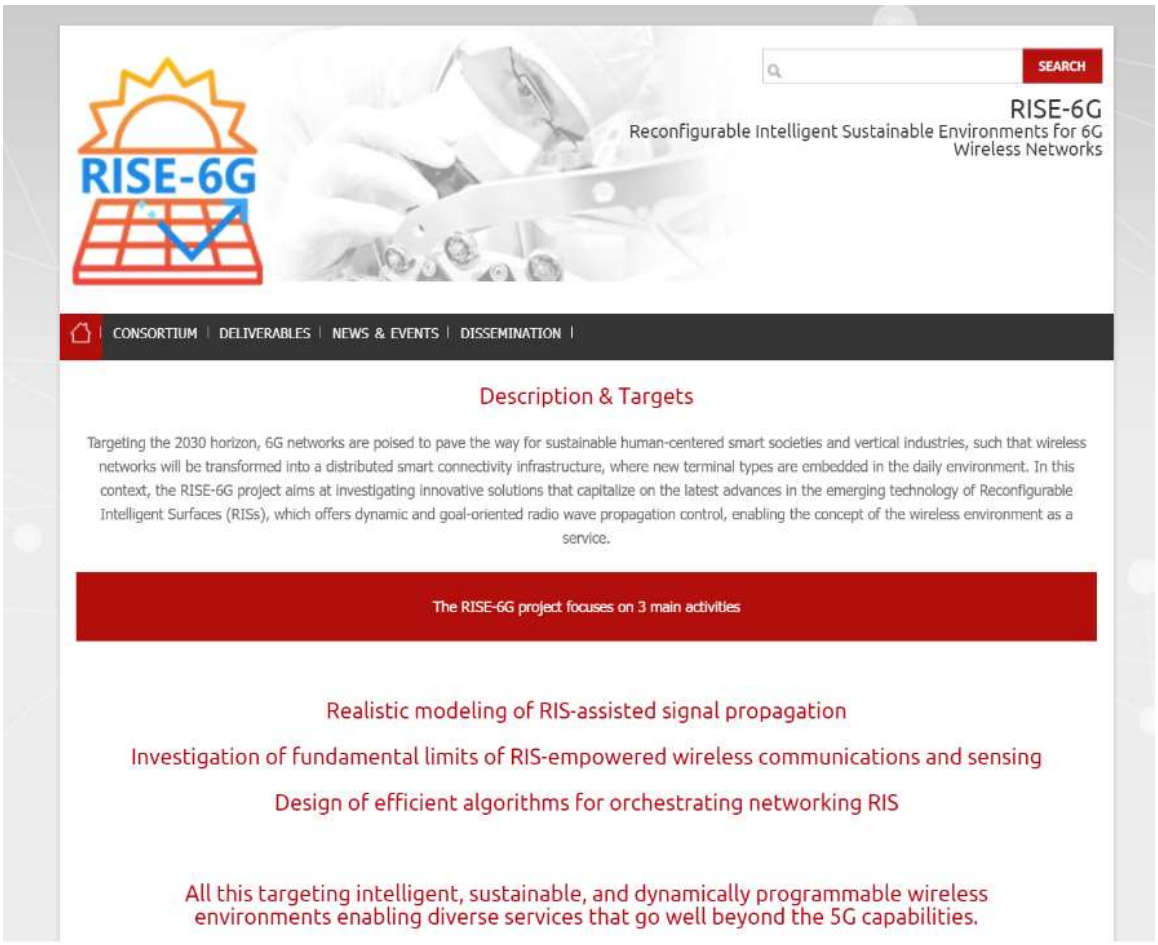

Figure 1 : Welcome page of RISE-6G public web site

Several folios can be opened in the banner. They have been divided into 4 main categories

- Consortium description
- Deliverables
- New & Events
- Dissemination

3.1 Consortium description

In this folio, it is intended to include pages that will present each partner with a short text and a logo. Information included in these pages will of course be submitted to partners to make sure they agree with what is described.

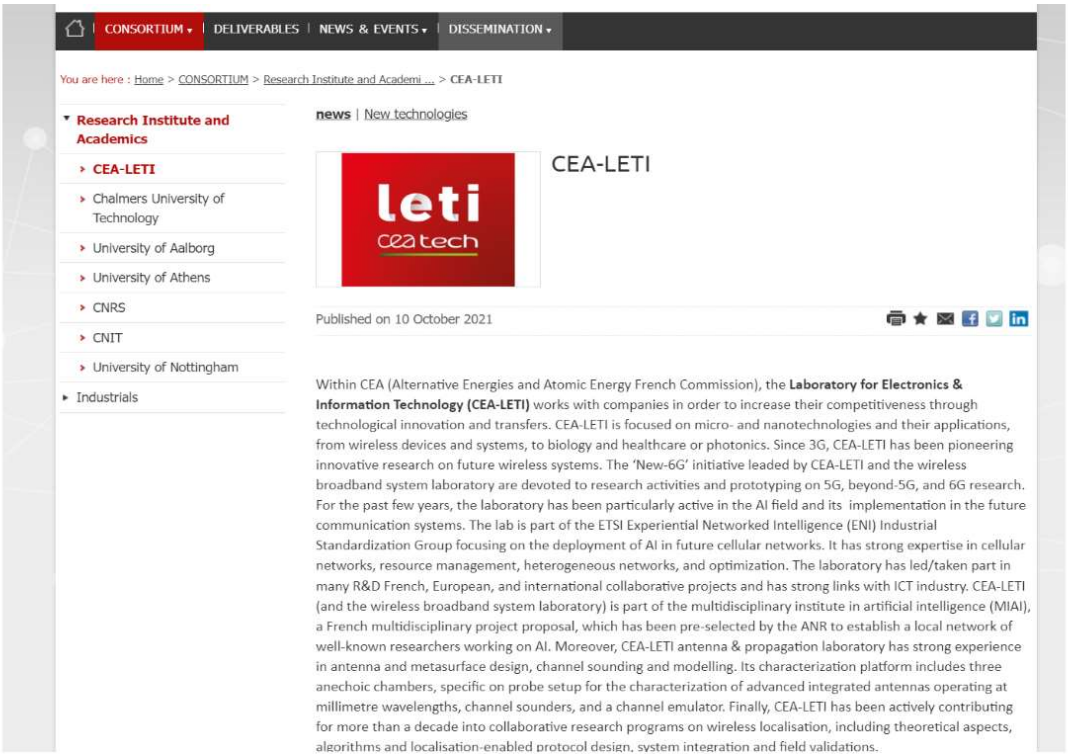

Figure 2 : partner description page, example of CEA-Leti

3.2 Deliverables

In this folio, the deliverables will be listed in agreement with the RISE-6G project description. A direct link to the deliverable will also be included, when it is intended to be public, that will enable the visitor to download it.

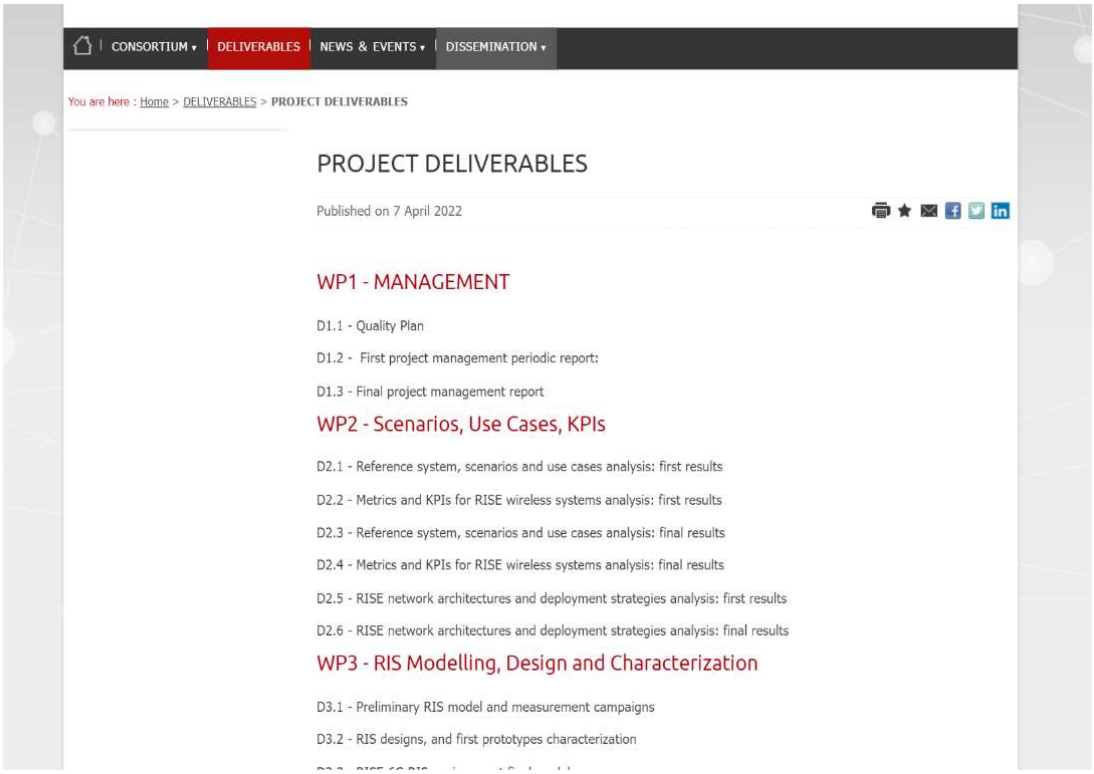

Figure 3 : Deliverable list and direct access

3.3 News & Events

In this folio, the partners will be able to disseminate any information of interest that concerns also the RISE-6G project. This page will also be used to inform about dissemination related to workshops and various talks. When available, a direct link to the document will also be provided with to enable the visitor to download it.

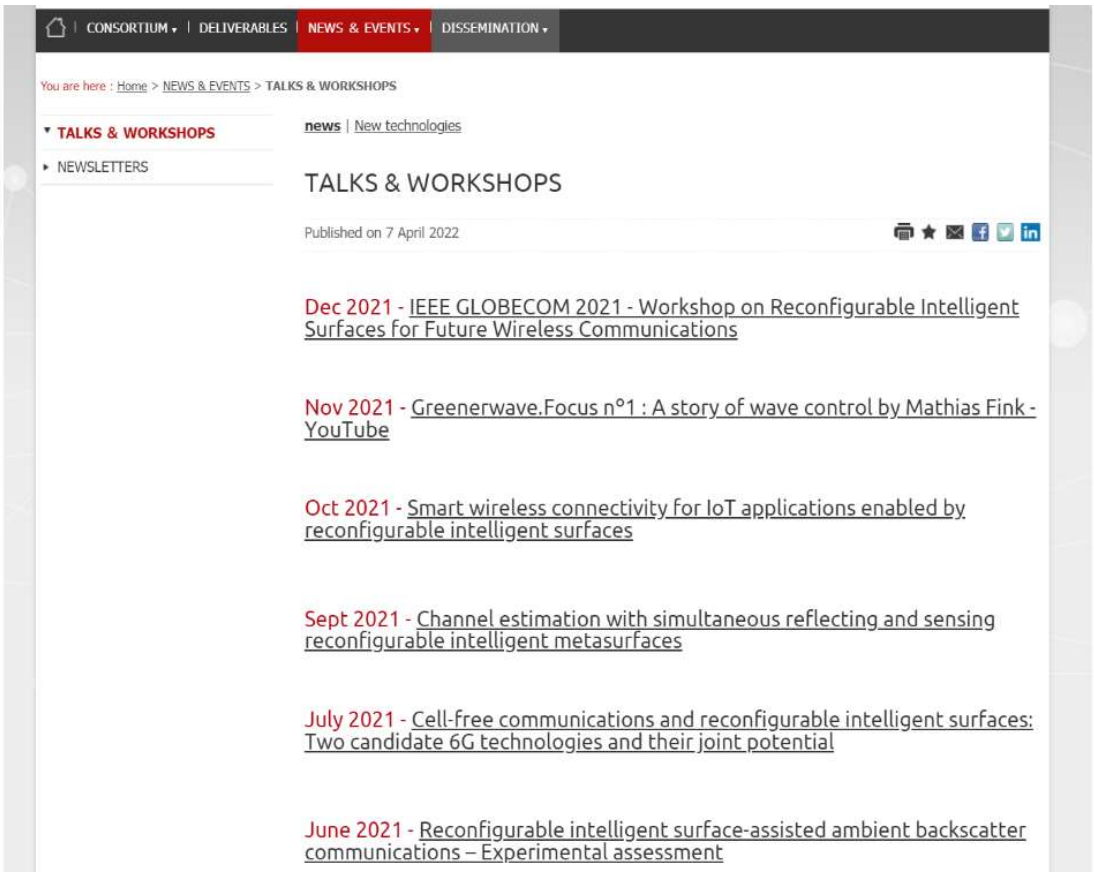

Figure 4 : Talks & Workshops page

3.4 Dissemination

In this folio, all publications, submitted and accepted, acknowledging RISE-6G will be listed. In addition, when available, a direct link to the publication to an Open Access resource will also be provided with to enable the visitor to download it.

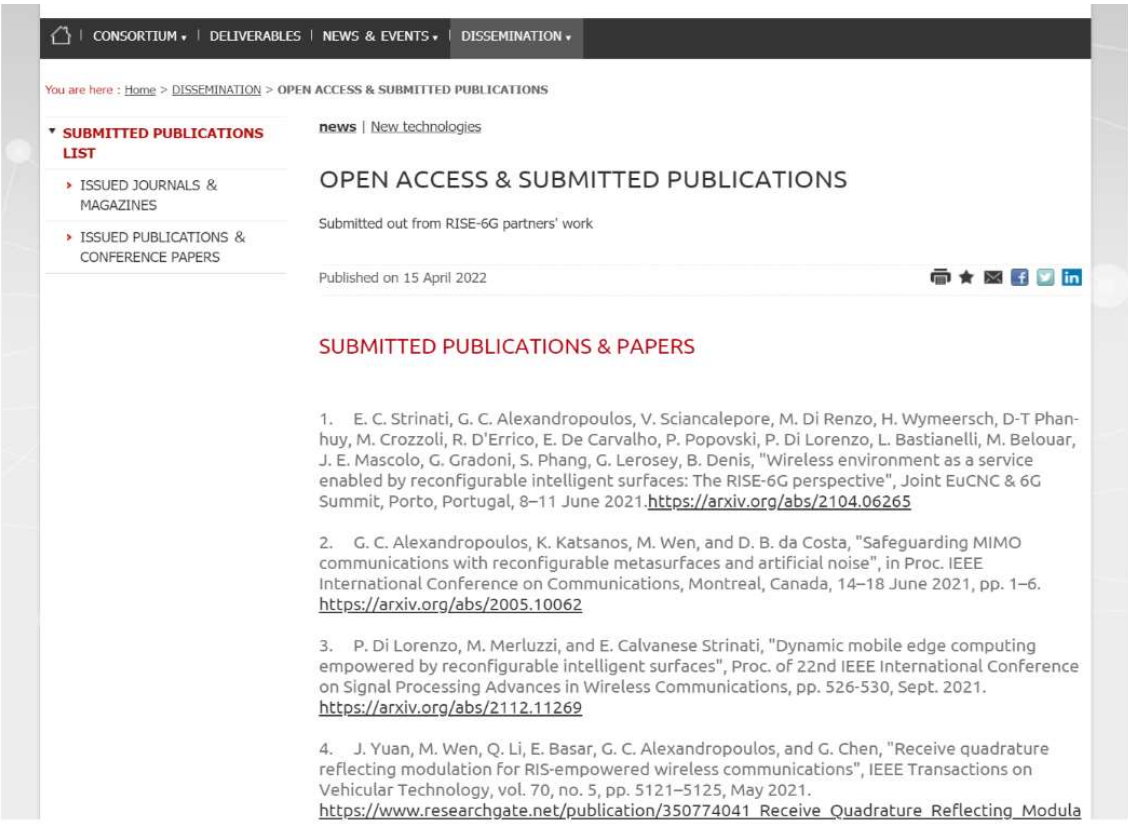

Figure 5 : RISE-6G acknowledged publications accessible on Open Access