



"Innovative and sustainable materials solutions for the substitution of critical raw materials (CRM) in the electric power systems, in particular CRM in materials used in photovoltaic cells"



Grant Agreement: H2020-NMBP03-2016-720907

D6.2. Project Website





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Introduction

This deliverable describes the **STARCELL** website (<u>www.starcell.eu</u>), which is a key point to disseminate the main project outputs, such as scientific results and linked events (i.e. seminars, workshops & open days), providing at the same time relevant data about the project scope and involved partners and stakeholders.

An eye-catching and attractive design of the web page is very relevant for enticing possible visitors. In this sense, the website was inspired in the colours and design of the **STARCELL** logo. An external professional designer was selected to carry out the design on the basis of the best value for money approach in agreement with the tendering procedures of IREC. From now on, the website contents will be maintained and regularly updated by the Project Coordinator.

The preliminary structure of the website, which is described in detail in this document, includes the following sections:

- About
- Partners
- News and Events
- Publications
- Public Documents
- Useful Links
- Contacts

The website has been first launched on 23rd January 2017, in parallel to the kick-off meeting of the project. It is expected that it will be regularly updated, being online for at least two years after the end of the project. In Figure 1, an schema of the design of the website is presented.

Finally, it should be pointed out that in the lowest right hand part of the website a private access to the "Partner Zone" is available, for an easy access to the intranet section that is still under construction. The intranet contents will be described in the deliverable D7.3 at month M3 (March 2017).





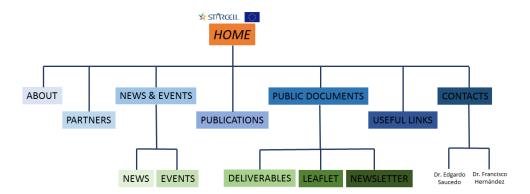


Fig. 1. Schema of the design of the STARCELL webpage.

Structure and Content of the Website

In this section, the contents of the public web are briefly presented.

Home

The "Home" section provides the necessary links for an easy navigation through the site, and the most relevant information about the project. This later includes the project and partners logos, acknowledgements to the European Commission for the given support, and access to STARCELL's *Twitter* and *LinkedIn* profiles.



Fig. 2. Upper-front end of the "Home" section of the STARCELL website





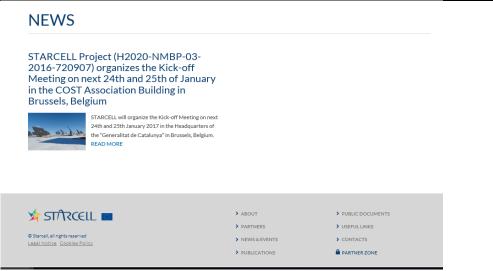


Fig. 3. Bottom-front end of the "Home" section of the STARCELL website

About

In this section, a brief description of STARCELL is shown listing the main Innovation activities and objectives proposed in the project, together with the conversion efficiency roadmap. This part is presented in an eye-catching manner, using attractive schematic representations. Besides, the details of the different work packages are also included, with the contact details of the WP leaders.

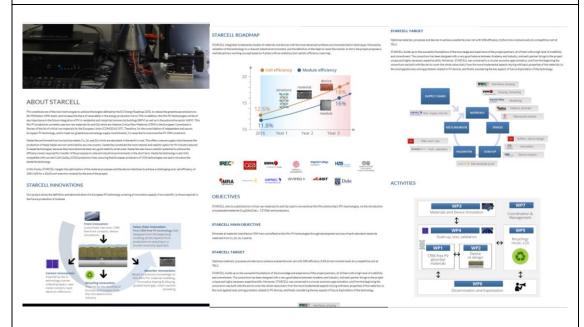


Fig. 4. Views of the "About" section with different schemes about scientific objectives, roadmaps and work packages.





WP1. CRM-free PV absorber materials

WP1 is divided into 5 tasks to address main absorber challenges through the study and modification of the material's intrinsic properties, improving the current electrical and transport charge parameters toward values comparable to those reported for CIGS. Task T1.1 is dedicated to the optimization of reactive thermal processes; task T1.2 to the analysis of the impact of order/disorder effects and to propose possible technological solutions; task T1.3 is devoted to the analysis of extrinsic doping of the material; task T1.4 deals with the introduction of graded band-gap concepts; and finally task T1.5 gives support to all the previous tasks with the required advanced characterization methodologies. The main targets of this WP are:

- > Increase the minority carriers life time to values larger than 20 ns
- > Reduce the deep defect density below $10^{15}\,\text{cm}^{-3}$
- > Reduce the Urbach Energy below 20 meV
- > Increase the minority diffusion length to values larger than 5 μm

WP1 Leader contact details:

Dr. Marcel Placidi (IREC) e-mail: mplacidi@irec.cat Tel.: +34 933 56 26 15

Fig. 5. Example of the WP1 description

Partners

This section contains the general description of the 13 partners involved in STARCELL. The details of the institutions and scientific groups, the contact details of each one, and their specific contribution to the project are clearly given with a direct link to the own websites. The aim is to raise the public awareness about the contributions of the partners to the project as well as their background in the associated technologies.

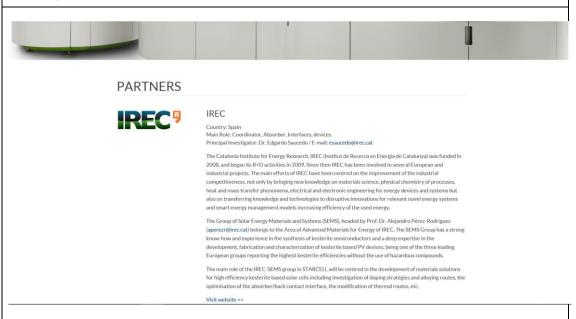


Fig. 6. Example of the information presented in the Section Partners.





News and Events

This section is specifically designed for the dissemination of the most relevant news related to STARCELL; project meetings, events, relevant scientific results, scientific publications, and others. In the right part of the screen, the three latest releases are displayed, while in the left hand of the section the most relevant events organized in the frame of the project are highlighted, such as workshops with preregistration, seminars and conferences.



Publications

In this section, the complete list of scientific publications done during the project will be public. For those ones selected for "Open Access", the manuscript will be available for downloading.

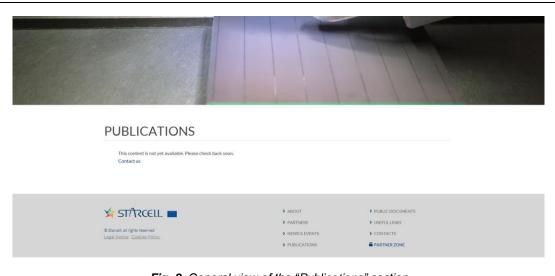


Fig. 8. General view of the "Publications" section





Public Documents

This section provides a link to the public documents (not scientific publications) available at STARCELL website; (i) Deliverables labelled as Public, (ii) Promotional leaflet and (iii) up to 4 Newsletters produced during the project implementation.



Fig. 9. Main characteristics of the section Public Documents

Useful Links In this section, other relevant links to websites linked to STARCELL are displayed. USEFUL LINKS Links to the websites of partner institutions Useful Links Useful Links Fig. 10. Main view of the section "Useful Links"





Contacts

The final section of the STARCELL webpage includes the contact information of the Project Coordinator (Dr. Edgardo Saucedo, IREC) and the Project Manager (Dr. Francisco Hernández Ramírez, IREC).

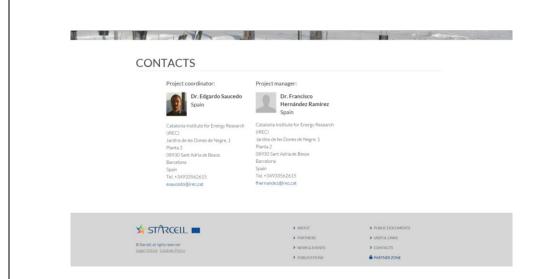


Fig. 11. Main characteristics of the section "Contacts".