SOLARNET

Integrating High Resolution Solar Physics

WP4 Engagement, Dissemination & Communication

SOLARNET 2nd General Assembly
Virtual
5th February 2021

Richard Morton
richard.morton@northumbria.ac.uk
IAC, IAA-CSIC, **Northumbria University,**
SMN

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 824135.

Northumbria University NEWCASTLE

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WP4 Objectives

- **Build capacity** in the SOLARNET community through **Public Engagement training**;
- **Share best practice in effectively utilising outreach to engage and educate**, engendering changes in attitudes – amongst consortium members and the general public;
- **Share key achievements of the consortium** and related science with the wider research community and the general public;
- Develop and maintain the plan for the dissemination and exploitation of the project's results and the data management plan.

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Activities in year 2

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WP4.1 *SOLARNET Public Engagement Training Workshop*

- Two training workshops aimed at both *early career and senior researchers*
- Build confidence, skills & perspective for a wide range of communication activities & situations.
- Workshop will be loosely themed around engagement with schools.

Postponed

D4.3 First Report on workshops and training and their impact. **Delayed until December 2021.**

M4.2 & 4.3 Hosting of first (second) CPD workshop and training events. **Both delayed**.

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WP4.1 Training – Progress

D4.2 Provide initial resources for training and outreach for consortium members

Delivered Month 18

Support continued community development and post-workshop activities.

Made open access online (currently at https://solarnet-project.eu/Public-Deliverables):

- Workshop content; ✗
- Additional materials. ✓

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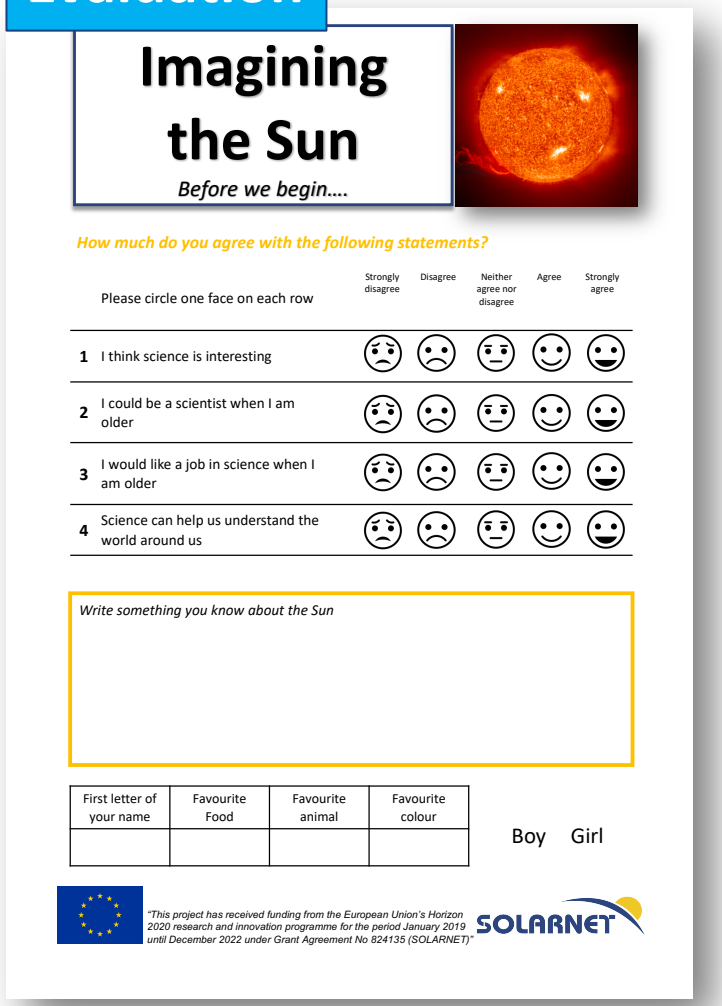
WP4.1.3 – Resources

Evaluation



Imagining the Sun

Before we begin....

How much do you agree with the following statements?

	Please circle one face on each row	Strongly disagree	Disagree	Neither agree nor disagree	Agree	Strongly agree
1	I think science is interesting					
2	I could be a scientist when I am older					
3	I would like a job in science when I am older					
4	Science can help us understand the world around us					

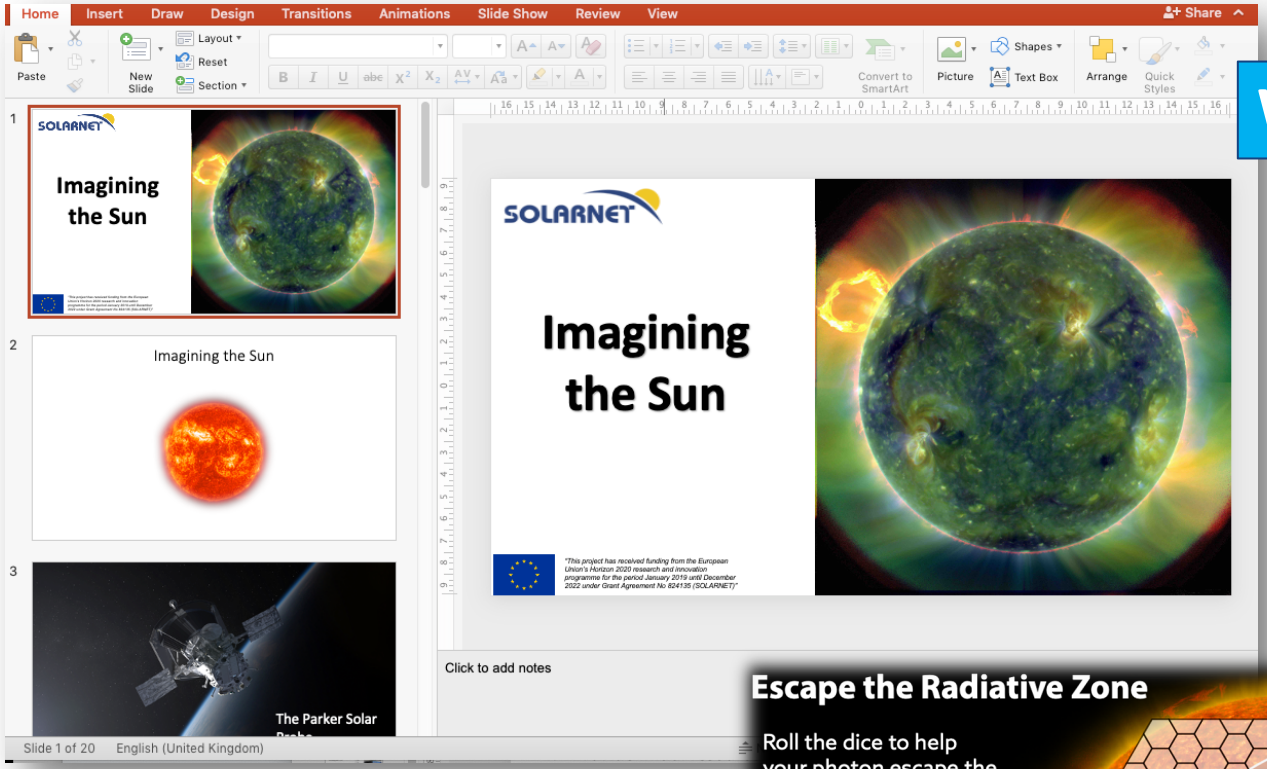
Write something you know about the Sun

First letter of your name	Favourite Food	Favourite animal	Favourite colour

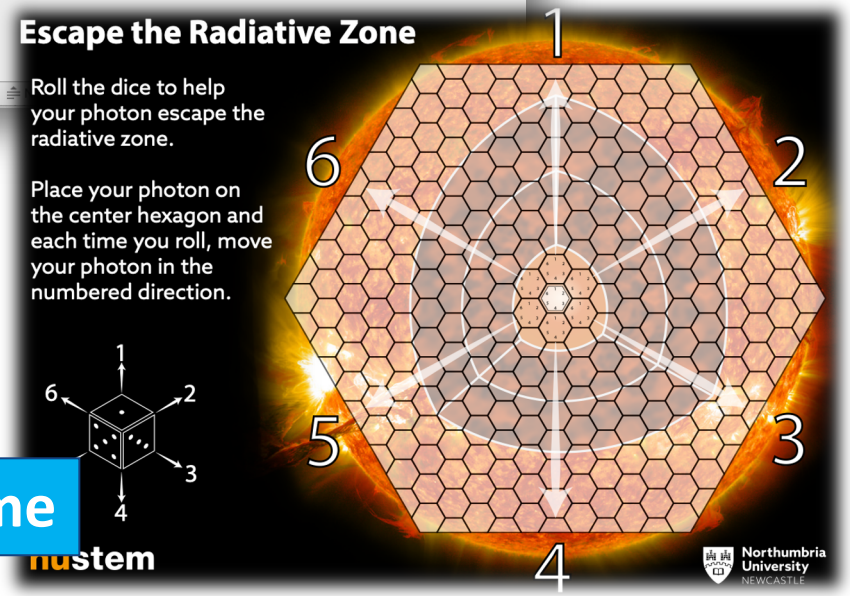
Boy Girl

"This project has received funding from the European Union's Horizon 2020 research and innovation programme for the period January 2019 until December 2022 under Grant Agreement No 824135 (SOLARNET)"

Workshop



Board game



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Looking to include presentations/ activities from partners - *share best practice*.
Pleas email me if you have something you'd like to share.

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WP4.3 *Exploitation, Dissemination & Communication Plan*

D4.5 Exploitation, Dissemination & Communication Plan

Delivered Month 18

Covers how the consortium will disseminate activities.

Document is confidential but available to consortium members (email Project Office).

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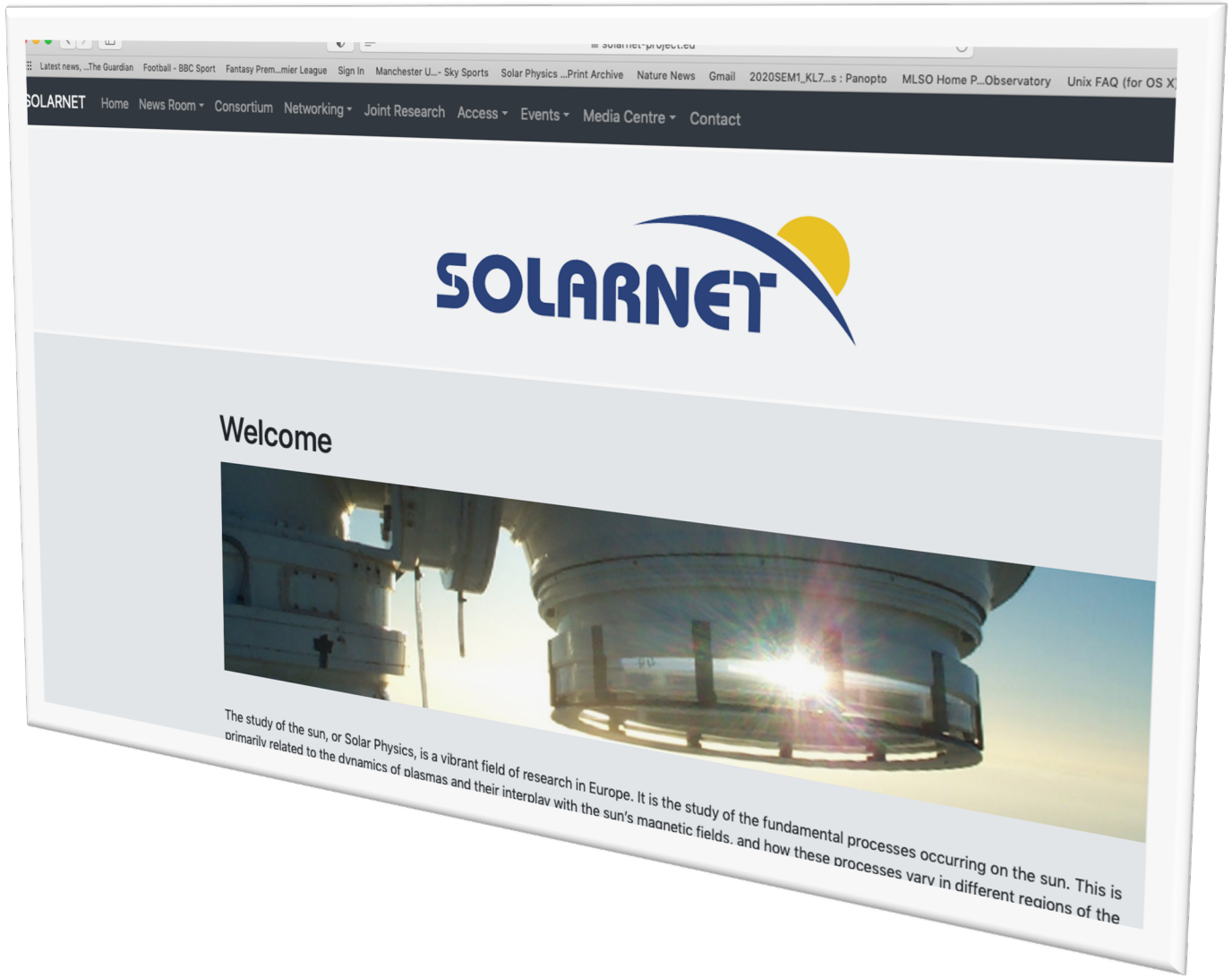
Mid-term review and WP4

https://solarnet-project.eu/

Reviewers suggested the website needs a re-structure.

- Visibility of project management
- Access to resources
- News

Update currently underway.



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Activities for year 3

SOLARNET

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1st SOLARNET Public Engagement Training Workshop

M4.2 & Task 4.1.2 *The delivery of CPD workshops & training events*

12th April – 13th April 2021 — Northumbria University, UK

Workshop will be virtual.

Workshop will cover:

- *Why do we want to 'engage the public with science?'*
- *Designing for evaluation, pathways to impact, and writing engagement into research bids.*
- *Contexts & approaches: the range of opportunities available for science communication.*
- *How to talk to people. Understanding your audience, and the 'communication' part of 'science communication'.*
- *Unconscious bias: implications and mitigations.*
- *Empty vessels to science capital and co-creation: developments and trends within public engagement*.

Particular emphasis on working with schools. The lessons will be applicable in a wider range of engagement contexts, however we also expect the workshop will spark the development of new classroom activities.

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Public Engagement Training at Schools

Short session on Public Engagement at summer/winter schools.

'An introduction to science communication' targeted at students and early career researchers

- **High-resolution solar observations (Austria – August 2021)**
- **Solar corona - complex research from ground-base and space (Slovakia - April 2022)**
- **Solar atmospheric dynamics - From waves to instabilities and jets. (Hungary - September 2022)**

NU to deliver these sessions. Specific evaluation exercise associated with PE training.

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Scientist profiles

Contacting individuals who expressed interest in being involved.

Provide an alternative scientist profile to be used in school outreach:

- Highlight people who work in science
- Different jobs available
- Attributes required for scientist

Printable cards to be used as part of engagement with young people.

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EU Solar Physics (EUSP) Nuggets

Bite-size science article. Similar to UKSP nuggets (http://www.uksolphys.org/uksp-nuggets/)

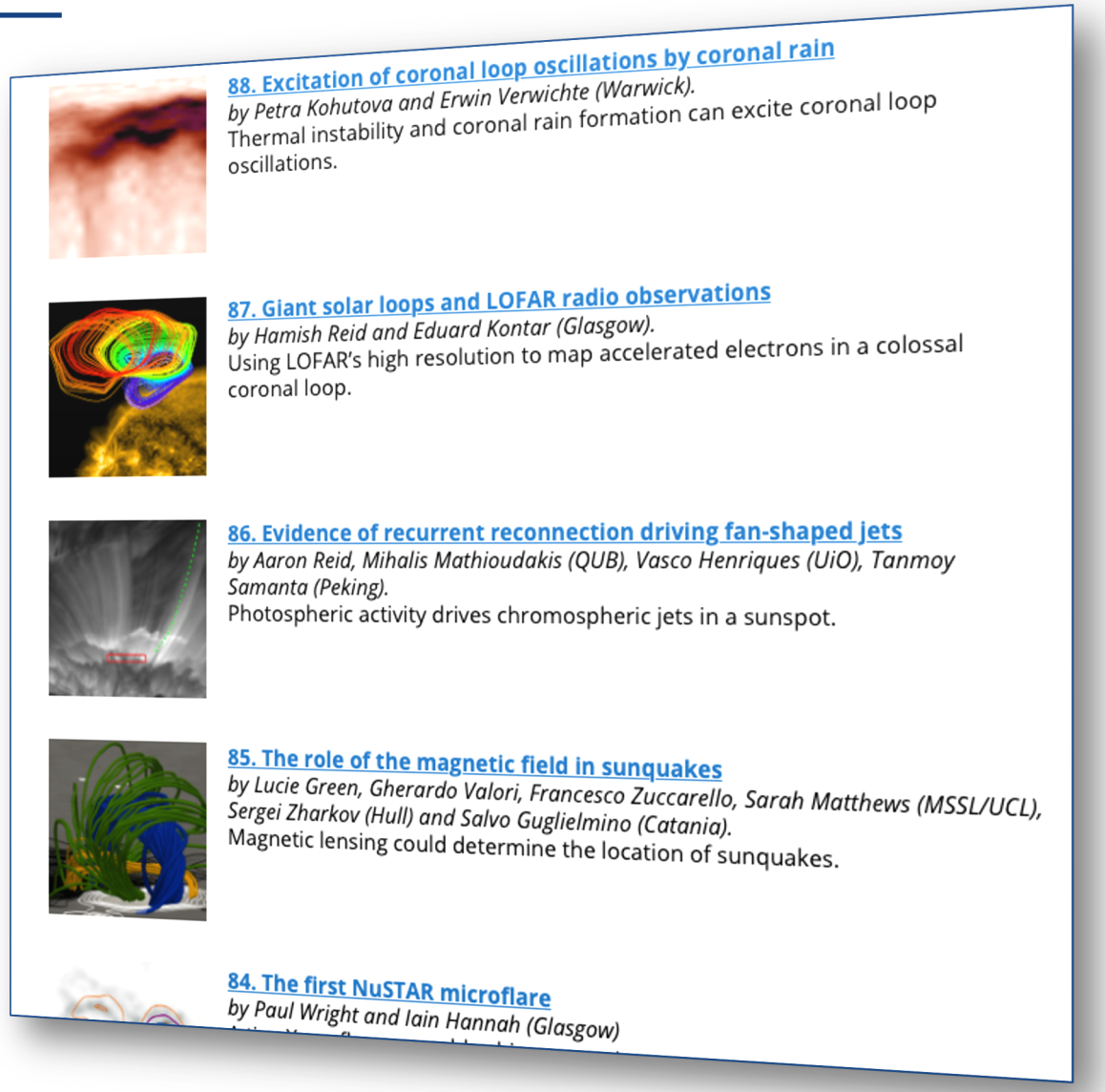
To be hosted on EST webpage.

Short article that summarises recent work

- 7-8 paragraphs
- 2/3 pictures

Recipients of Access time will be asked to contribute first.

Email me if you want to contribute.



88. Excitation of coronal loop oscillations by coronal rain
by Petra Kohutova and Erwin Verwichte (Warwick).
Thermal instability and coronal rain formation can excite coronal loop oscillations.

87. Giant solar loops and LOFAR radio observations
by Hamish Reid and Eduard Kontar (Glasgow).
Using LOFAR's high resolution to map accelerated electrons in a colossal coronal loop.

86. Evidence of recurrent reconnection driving fan-shaped jets
by Aaron Reid, Mihalis Mathioudakis (QUB), Vasco Henriques (UiO), Tanmoy Samanta (Peking).
Photospheric activity drives chromospheric jets in a sunspot.

85. The role of the magnetic field in sunquakes
by Lucie Green, Gherardo Valori, Francesco Zuccarello, Sarah Matthews (MSSL/UCL), Sergei Zharkov (Hull) and Salvo Guglielmino (Catania).
Magnetic lensing could determine the location of sunquakes.

84. The first NuSTAR microflare
by Paul Wright and Iain Hannah (Glasgow)

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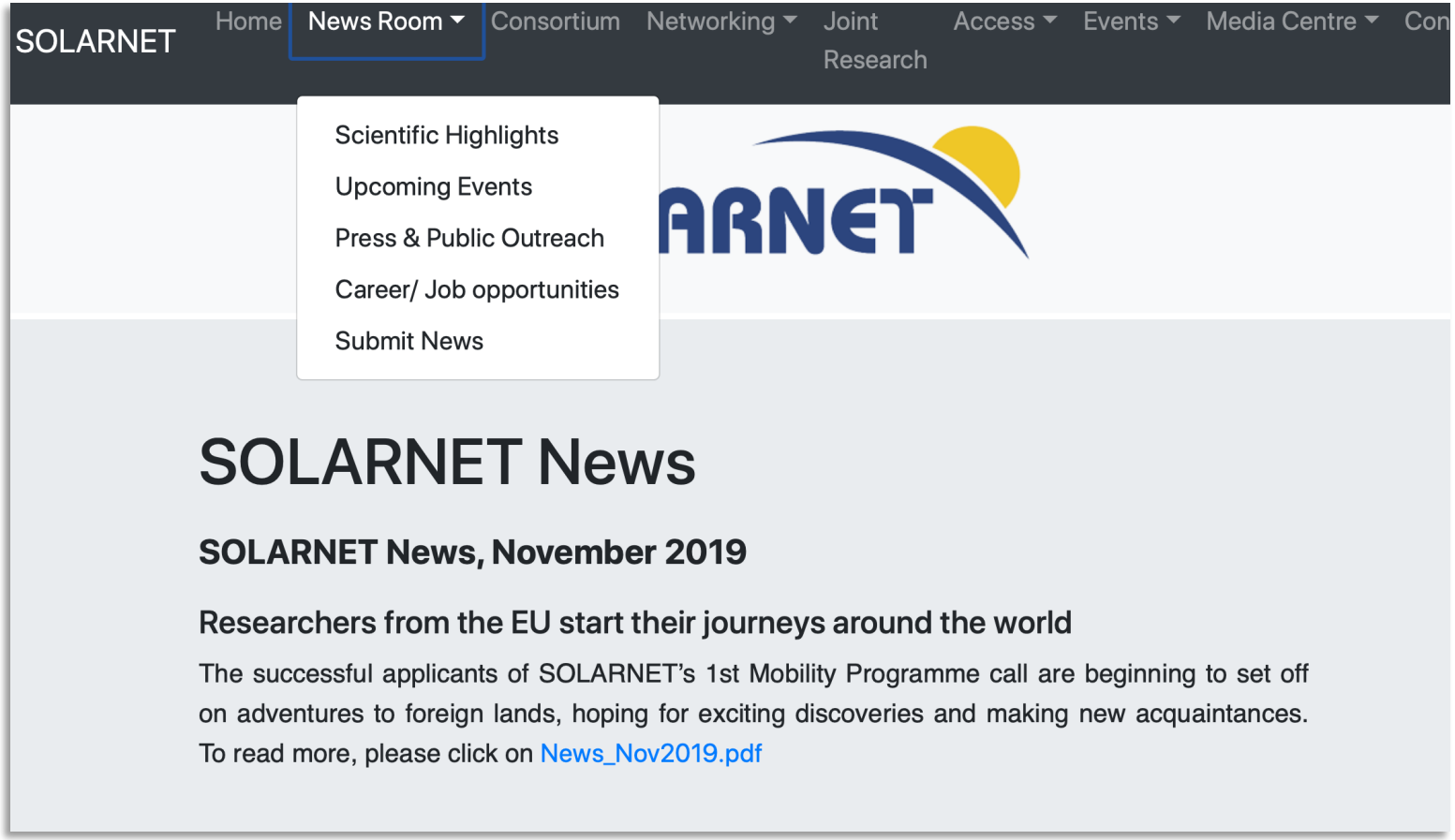
WP4.2 Communication & dissemination – **News**



Possible to submit news to the website.

Fantastic to have a short story after:

- each SOLARNET event;
- milestones are met;
- Research publications;
- Any other exciting development.

News advertised more widely via social media.

Task 4.2.4 *Delivery of dynamic online content* (On-going)

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Summary

- Last year was difficult but progress was made.
- Delays to certain aspects (D4.3, M4.2 & M4.3), will be caught up this year.

- Workshop and 1st School session to take place.
- The first EU Solar Physics Nugget will be published.

Please let the Project Office or me know if you publish any research related to SOLARNET.