

# Final General Assembly Meeting

Sharon Cosgrove, Director of Strategy  
ESS, Sweden

13-14 June 2022, Lund



brightness<sup>2</sup>

This project has received funding from  
the European Union's Horizon 2020  
research and innovation programme  
under grant agreement No 823867

# Primary objectives for WP5

The final 18 months of the BrightnESS<sup>2</sup> project's WP5 were focused on two primary objectives:

- Completing the three major deliverables from this period
- Ensuring public visibility of the activities of all work packages

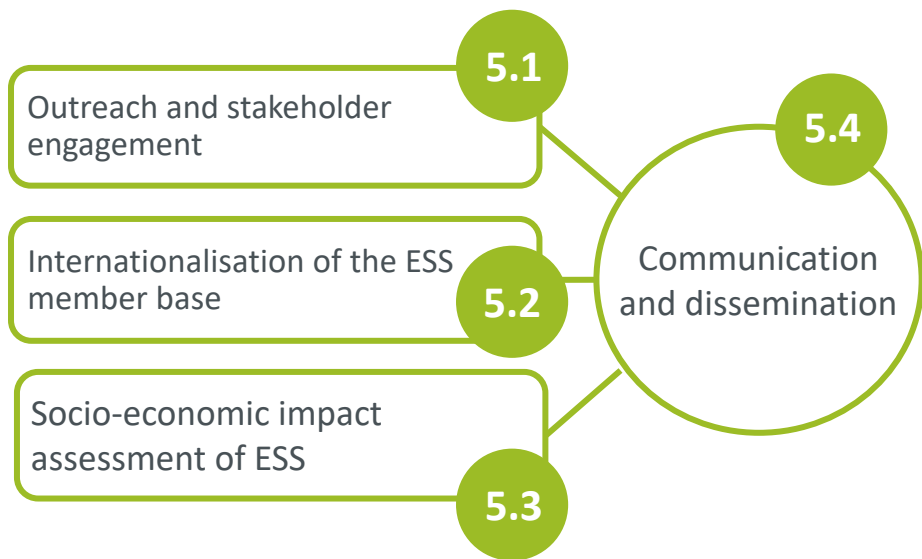
The focus in the final six months shifted to

- Supporting the development and production of the WP2 common roadmap for neutron science in Europe
- Documenting and communicating the sustainability of the major initiatives of each of the BrightnESS<sup>2</sup> work packages

# brightness<sup>2</sup> WP5: Overview and Timeline

## Aim

Establish ESS as a truly global research infrastructure with an impact in and outside Europe via strategic communication and dissemination activities targeting the experts' community and society at large



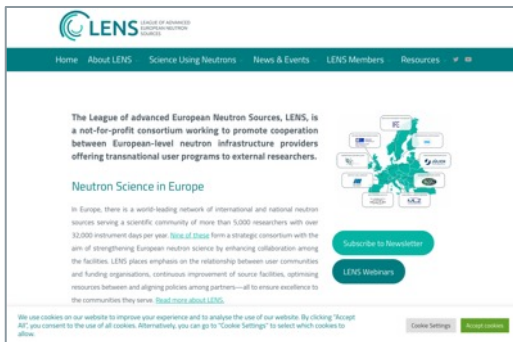
Deliverables		
D5.1	BrightnESS <sup>2</sup> website	M02
D5.2	Stakeholder engagement and enlargement activities I	M13
D5.3	Stakeholder engagement and enlargement activities II	M25
D5.4	Socio-economic impact of ESS	M34
D5.5	Stakeholder engagement and enlargement activities III.	M35

Milestones		
MS1	First Activity Plan for outreach and enlargement	M03
MS8	Second Activity Plan for outreach and enlargement	M13
MS12	Presentation of the ESS SEI assessment approach and first results in international fora	M18
MS18	Third Activity Plan for outreach and enlargement.	M25



# brightness<sup>2</sup> 5.1 Outreach and Stakeholder Engagement: Activities and Results

## Support to LENS development and sustainability



- Support Common roadmap - Neutron Science in Europe
- LENS General Assembly and Council meetings Feb 2022
- LENS Information Manager hired – January 2021
- Regular maintenance of the LENS website
- First International Meeting on HICANS (IMoH2022)



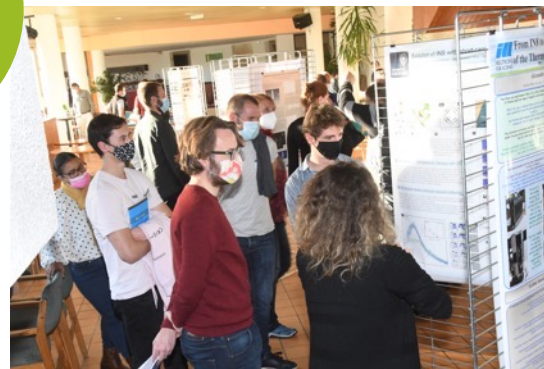
## Activity Plan to maximise outreach and engagement with neutron community

- Amplified outcomes from other work packages
  - Promoting the relevance of LENS
  - Sharing the principles and development of the ESS Socio-economic impact report
- Support for neutron schools and workshops bringing the European neutron science community together
- Supported three conferences focussed on future of European neutron scattering
  - i2ns workshop 18-20 October 2021 - shifted twice due to COVID-19
  - RI Logistica – getting science in place

25  
Activities

3  
Conferences

>440  
Participants



# RI Logistica





# RI.Logistica

## GETTING SCIENCE IN PLACE

Jörgen Larsson, Senior Logistics Officer, ESS

13 June 2022, Lund

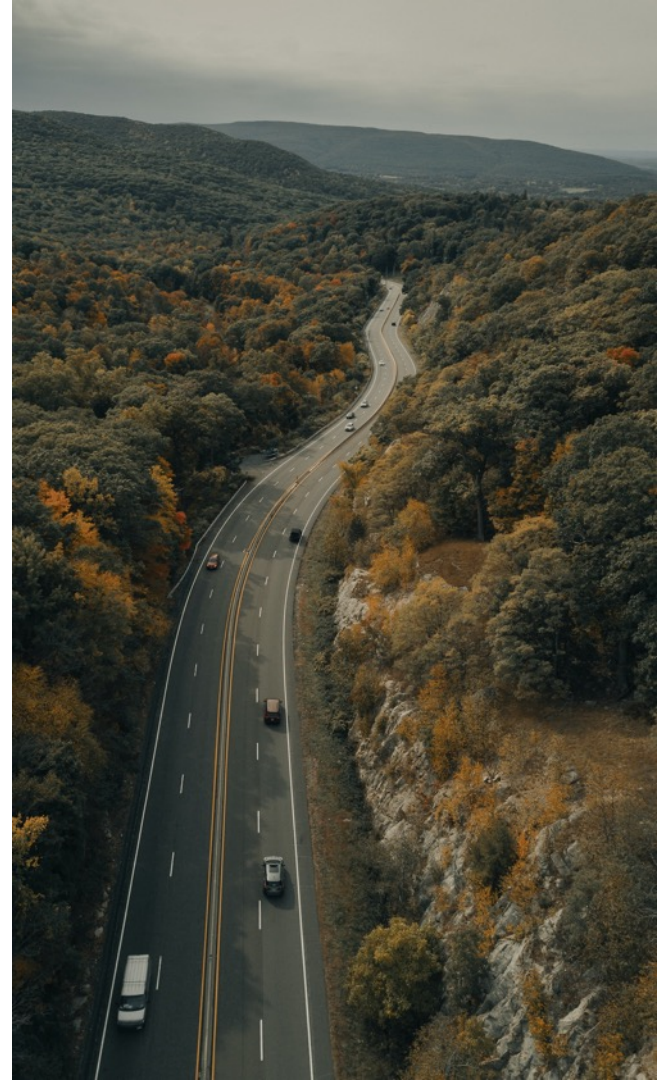


# brightness<sup>2</sup> RI.Logistica: the background

- It all started with one question: why must we continuously **re-invent the wheel** when faced with logistical challenges (both supplier and user-related) at ESS?



- This idea formed into “**RI.Logistica**,” an **international conference** that aimed to bring together research facilities, logistical companies, logistics and supply chain experts and governmental authorities to discuss all aspects of **logistics critical for research facilities and laboratories**.





# brightness<sup>2</sup> RI.Logistica – the Online Conference

- RI Logistica Programme Committee that developed the content consisted of



- 19-20/5 2021 we took off with 230 participants from Svalbard to South Africa
- 9 Sessions spanning over all defined challenges;  
<https://rilogistica.b2match.io/page-3691>



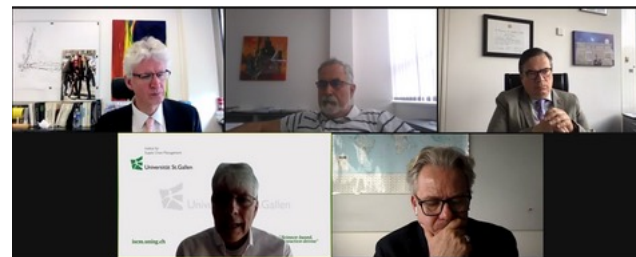
# brightness<sup>2</sup> The Online Conference – success factors

## Bringing RIs, industry and authorities together;

- Toward a collective voice for standardization
- Covid-19, Brexit and the supply chain's new normal
- Fine art, nuclear material and the digital transition
- RI.Logistica: Moving forward together



Session 3 panelists, clockwise from top left: Patrick Muffat (CERN), Thomas Weins and Paul de Heij (Gerlach Customs), Fernando Perreau de Pinninck (DG-TAXUD), and Kitty Fritz-Nielen (European XFEL)



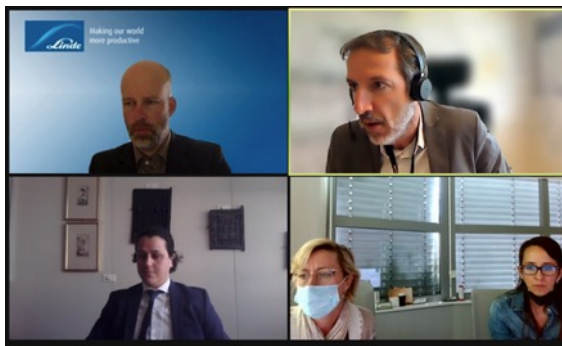
RI.Logistica session 1 panelists, clockwise from top left: Helmut Schober (EIROforum), Jan Hrušak (ESFRI), Xavier Barcons (ESO), Jean-Cédric Meeüs (UNICEF), and Wolfgang Stoelzle (Univ. of St. Gallen)



# brightness<sup>2</sup> The Online Conference – success factors



Session 8 panelists, clockwise from top left: Andreas Metzger (Big Data Value Association), Fabiana Fournier (IBM Research Haifa), Luke Marsden (Nansen Legacy/SIOS), and Mathias Parkhagen (ELL0S Group)



Session 7, clockwise from top left: Tobias Vikberg (Linde Gas), Jean-Michel Mure (Fusion for Energy), Stéphanie Chatelain and Stephanie de Oliveira (CNRS), and Richard Lelievre (IAEA)



Wednesday night's virtual conference dinner featured tapas from Spain and a live performance by the Great Norwegian Men's Choir in Svalbard



# brightness<sup>2</sup> RI.Logistica – the output & expectations

## How would you summarise the RI logistics in one word?



# brightness<sup>2</sup> And now what? - The Starting point!

- A webinar will be held 16/6 arranged by XFEL
  - “the benefits of RI.Logistica for Science”
- BSBF participation together with Marsh Cargo Insurance and 4PL Centralstation AG
- The RI Logistica Association will be established in Denmark in July
- A web page for members launched in July will, for example, provide
  - An insurance covering everything from samples to large and complex deliveries
    - Online, easy access, cost efficient
    - Supported with a manned Backoffice from Marsh Cargo Insurance
  - A Marketplace for RI surplus, components and spares – buy, sell or borrow!
    - Help us limit the environmental footprint by reusing and sharing

CERN and ESS has signed up for membership – what are you waiting for?





# RI.Logistica

GETTING SCIENCE IN PLACE

Thank you for listening – time for questions

<https://grafixstudio.se/rilogistica/>



brightness<sup>2</sup>

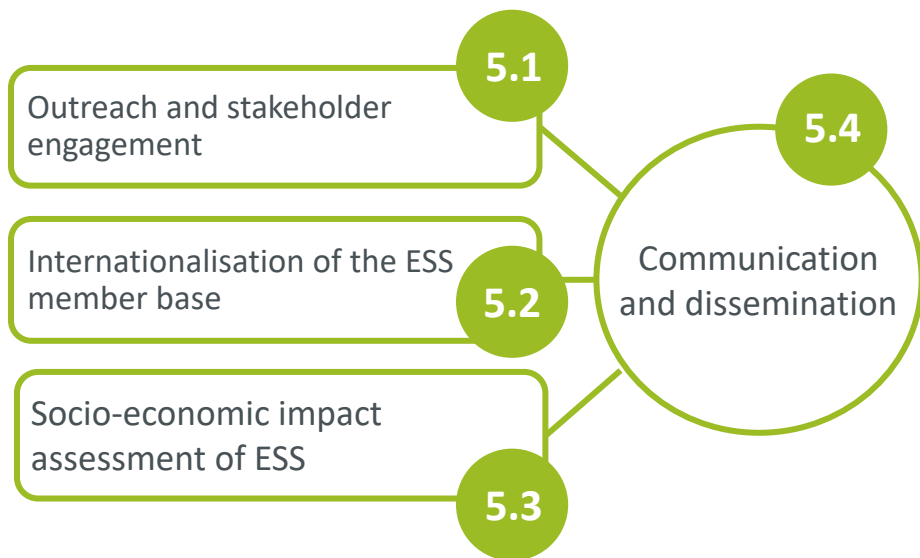


BrightnESS<sup>2</sup> is funded by the European Union Framework Programme for Research and Innovation Horizon 2020, under grant agreement 823867

# brightness<sup>2</sup> WP5: Overview and Timeline

## Aim

Establish ESS as a truly global research infrastructure with an impact in and outside Europe via strategic communication and dissemination activities targeting the experts' community and society at large



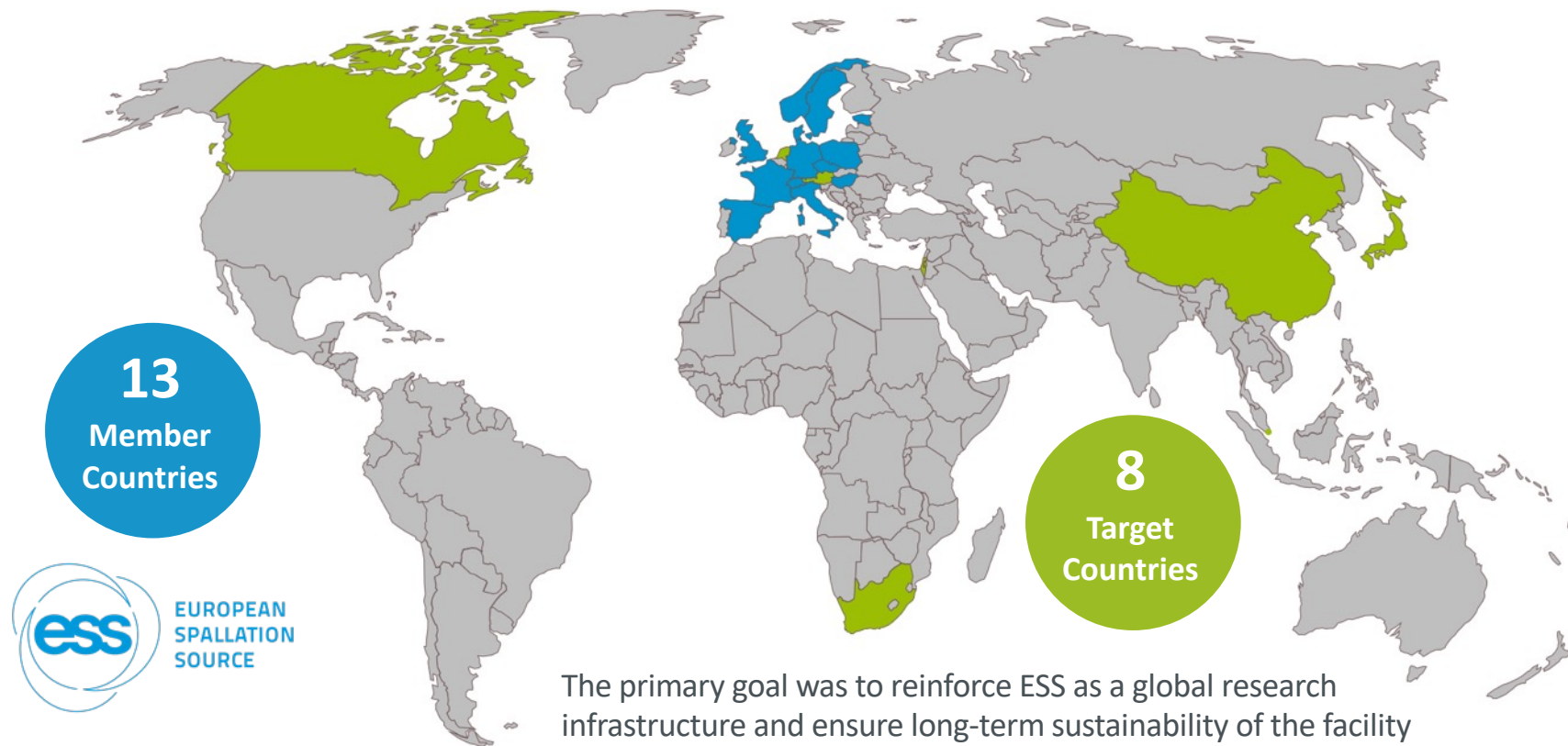
Deliverables		
D5.1	BrightnESS <sup>2</sup> website	M02
D5.2	Stakeholder engagement and enlargement activities I	M13
D5.3	Stakeholder engagement and enlargement activities II	M25
D5.4	Socio-economic impact of ESS	M34
D5.5	Stakeholder engagement and enlargement activities III.	M35

Milestones		
MS1	First Activity Plan for outreach and enlargement	M03
MS8	Second Activity Plan for outreach and enlargement	M13
MS12	Presentation of the ESS SEI assessment approach and first results in international fora	M18
MS18	Third Activity Plan for outreach and enlargement.	M25





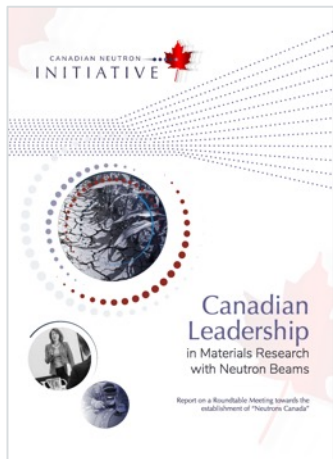
## brightness<sup>2</sup> 5.2 Internationalisation of the ESS Member Base



The primary goal was to reinforce ESS as a global research infrastructure and ensure long-term sustainability of the facility by raising political and financial support among stakeholders



# brightness<sup>2</sup> 5.2 Outreach and Stakeholder Engagement: Activities and Results



Activities in first period saw Canadian Neutron Initiative publishing their vision for Neutrons Canada resulting from 2020 roundtable event in Ottawa, this included European perspectives from ESS, ILL and LENS



- Activities in the second period saw joint participation in the International Conference on Research Infrastructures - hosted by Canada
- Canadian Neutron Initiative published National Neutron Strategy to rebuild country's capabilities for materials research with neutrons
- Published final report in March 2022 on outcomes of Brightness<sup>2</sup> support for the Canadian initiative
  - Including likely routes to short and medium term partnerships with ESS

Scientific benefits of ESS (associate membership)

- Get the chance to build an instrument (in-kind)
- Get the chance to join existing instrument teams and contribute to instruments beyond the funded day one versions (in-kind)
- Get the chance to contribute to the neutron source (accelerator/target)
- Get Access to all ESS instruments, Ph.D. program, ...
- Profit from the new scientific opportunities arising at ESS
- Pick low hanging fruits !

They will be gone, if you join too late...

carlos.lorenz

ICRF 2021

June 1-3, 2021

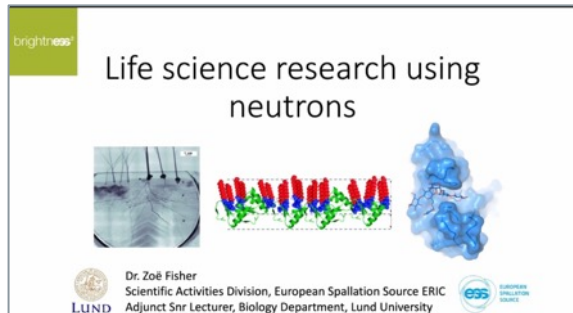
Building bridges to a sustainable world

The International Conference on Research Infrastructures (ICRI) brings together policy experts, facility managers, leading researchers and a variety of other stakeholders to discuss challenges and emerging trends for research infrastructures around the world.

ICRI 2021 is supported with funding from the European Union and is hosted by the Canada Foundation for Innovation (CFI), in partnership with the Canadian Institutes of Health Research, the Natural Sciences and Engineering Research Council, and the Social Sciences and Humanities Research Council, and with additional support from Infrastructure Canada and the National Research Council of Canada.

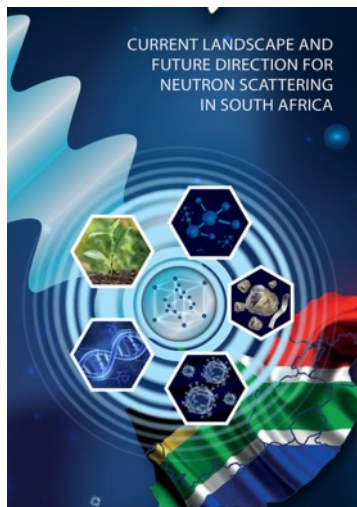


## brightness<sup>2</sup> 5.2 Outreach and Stakeholder Engagement: Activities and Results



- Final report on User Needs in South Africa set out how the county's capabilities for materials research with neutrons could grow
  - Recommending an official partnership with ESS
- Brochure Current Landscape and Future Direction is about to be published

- Supported 10 successful online research symposia
- Delivered instead of the in-person workshop originally envisioned
  - WP2 Milestone 10 for BrightnESS<sup>2</sup>, due to Covid-19 restrictions
- Provided valuable input to the South African neutron strategy



“the South African government... explore the formation of an official partnership with the ESS to ensure that the South African training, research interests and capabilities can be expanded and stimulated.”

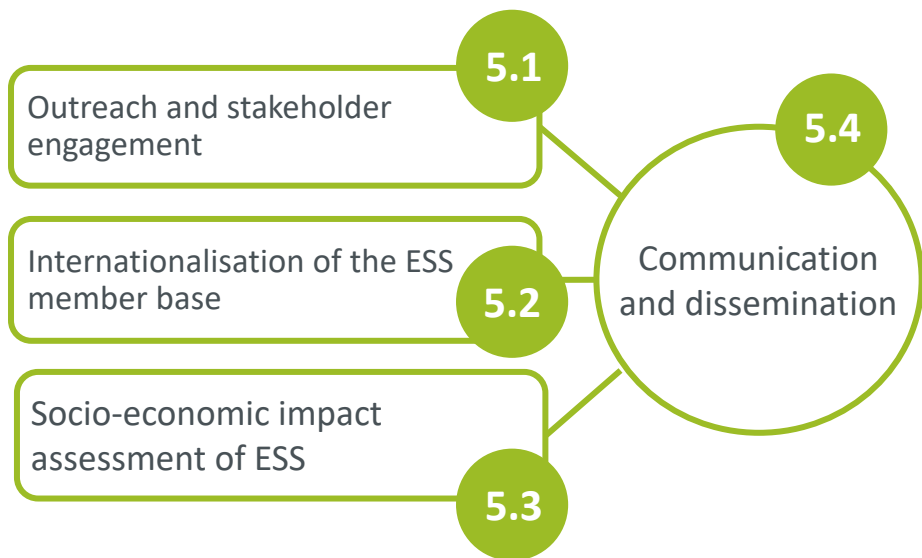
*Recommendation from report on user needs in South Africa, June 2021*



# brightness<sup>2</sup> WP5: Overview and Timeline

## Aim

Establish ESS as a truly global research infrastructure with an impact in and outside Europe via strategic communication and dissemination activities targeting the experts' community and society at large



Deliverables		
D5.1	BrightnESS <sup>2</sup> website	M02
D5.2	Stakeholder engagement and enlargement activities I	M13
D5.3	Stakeholder engagement and enlargement activities II	M25
D5.4	Socio-economic impact of ESS	M34
D5.5	Stakeholder engagement and enlargement activities III.	M35

Milestones		
MS1	First Activity Plan for outreach and enlargement	M03
MS8	Second Activity Plan for outreach and enlargement	M13
MS12	Presentation of the ESS SEI assessment approach and first results in international fora	M18
MS18	Third Activity Plan for outreach and enlargement.	M25



## brightness<sup>2</sup> 5.3 Socio-economic impact

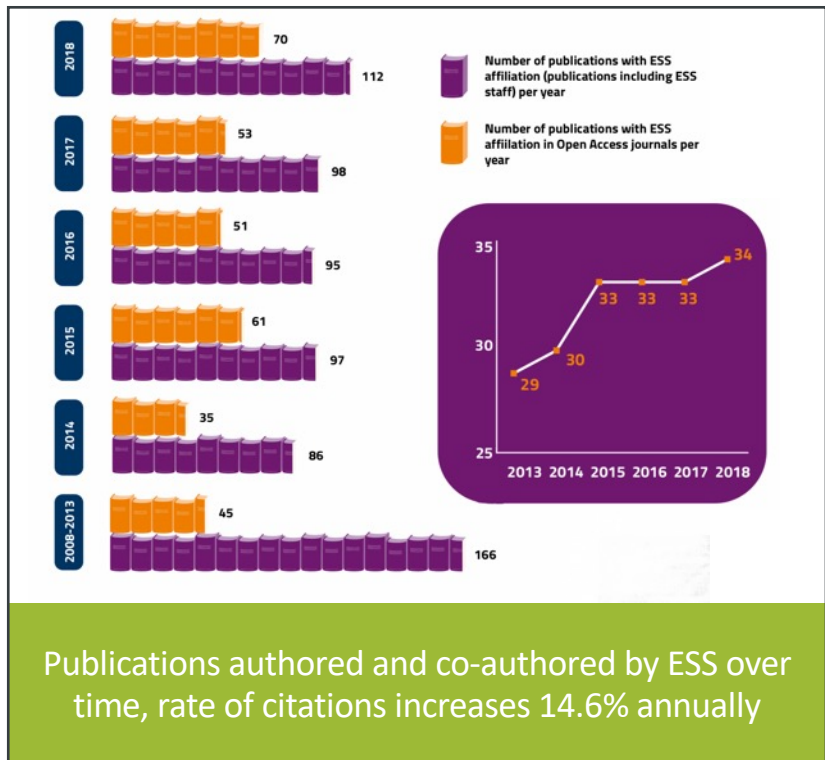
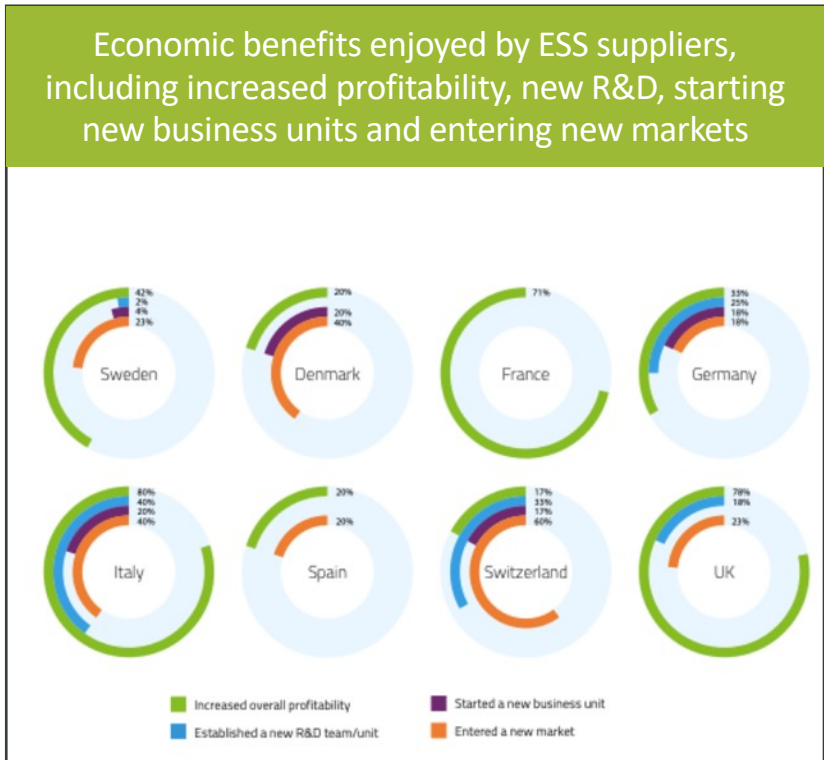
The impact narratives and pathways developed for the ESS mission statement's four strategic objectives serve as the structure for the socio-economic impact study



In December 2020, ESS working in collaboration with DTU, published a short summary of ESS' socio-economic impact based on data from the first six years of ESS' construction



# brightness<sup>2</sup> 5.3 Socio-economic impact: Activities and Results



## brightness<sup>2</sup> 5.3 Socio-economic impact: Activities and Results

Establishing early benchmarks for these objectives is important for ESS's stakeholders

- Work during the 2nd Period of BrightnESS<sup>2</sup> dedicated to professional analysis and producing a full report
- First, early attempt to benchmark the SEI of ESS as a civil construction project, a ground breaking scientific and technical project, and a future scientific user facility
- Work improved methodologies including those of ESFRI and the Horizon 2020 projects RI-PATHS and ACCELERATE
- Potential to be adopted and adapted by others



**4**  
Strategic  
objectives

**6**  
Impact  
pathways

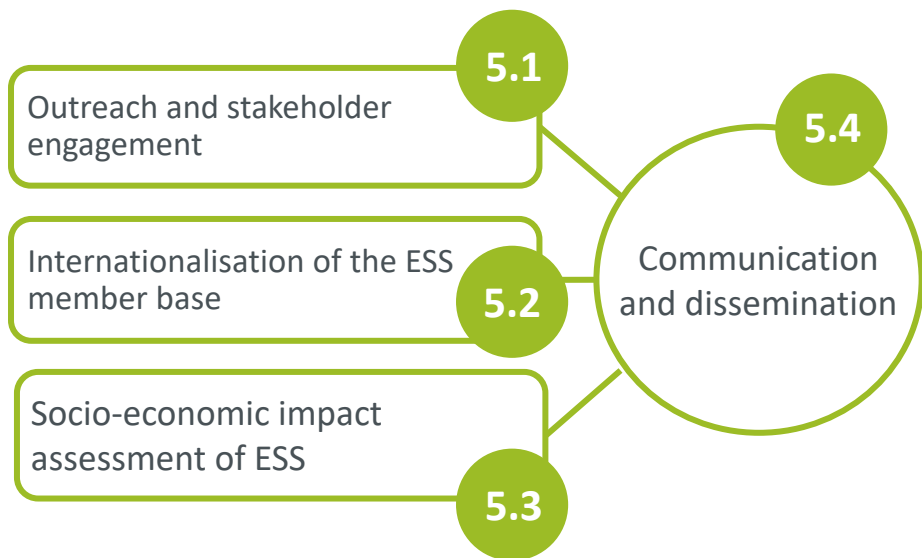
**Mix**  
Quantitative  
data and case  
studies



# brightness<sup>2</sup> WP5: Overview and Timeline

## Aim

Establish ESS as a truly global research infrastructure with an impact in and outside Europe via strategic communication and dissemination activities targeting the experts' community and society at large



Deliverables		
D5.1	BrightnESS <sup>2</sup> website	M02
D5.2	Stakeholder engagement and enlargement activities I	M13
D5.3	Stakeholder engagement and enlargement activities II	M25
D5.4	Socio-economic impact of ESS	M34
D5.5	Stakeholder engagement and enlargement activities III.	M35

Milestones		
MS1	First Activity Plan for outreach and enlargement	M03
MS8	Second Activity Plan for outreach and enlargement	M13
MS12	Presentation of the ESS SEI assessment approach and first results in international fora	M18
MS18	Third Activity Plan for outreach and enlargement.	M25





# brightness<sup>2</sup> 5.4 Communication and Dissemination: Activities and Results



The screenshot shows the homepage of the brightness<sup>2</sup> website. At the top left is the logo, and to its right is a search bar. Below the logo is a navigation menu with links for ABOUT, PARTNERS, NEWS & EVENTS, TECHNICAL INNOVATION CATALOGUE, and CONTACT. A secondary menu below that highlights 'BRIGHTNESS (2015-2018)'. The main content area features a large introductory text block on the left and an aerial photograph of a facility on the right. Below this, there are three news snippets: 'Report on collaboration between Canada and ESS published by CNI; National Neutron Strategy released', 'ESS in Canada', and 'Neutron Quality Label standard established by Brightness<sup>2</sup> engineering pilot'.

**brightness<sup>2</sup>**

ABOUT PARTNERS NEWS & EVENTS TECHNICAL INNOVATION CATALOGUE CONTACT

BRIGHTNESS (2015-2018)

Brightness<sup>2</sup> is a European Union-funded project within the European Commission's Horizon 2020 Research and Innovation programme. There are 16 organisations from Europe and South Africa participating in the Brightness<sup>2</sup> partnership. The budget is nearly €5 M and the duration of the project is three years. The European Spallation Source (ESS) in Lund, Sweden, will enable both fundamental and applied research. Brightness<sup>2</sup> is an integrated program in support of the long-term sustainability of ESS, its community, and the network of neutron sources in Europe.

**Recent news**

**Report on collaboration between Canada and ESS published by CNI; National Neutron Strategy released**

Read more

**ESS in Canada.** The report on outcomes of Canadian Neutron Initiative working group activities supported by Brightness<sup>2</sup> has fed directly into the National Neutron Strategy.

See more highlights from ESS in our weekly report from site: [bit.ly/essphd](http://bit.ly/essphd).

**Neutron Quality Label standard established by Brightness<sup>2</sup> engineering pilot**



The screenshot shows the Twitter profile page for Brightness<sup>2</sup>. The profile picture is a green circle with the logo. The bio states that the project receives funding from the EU H2020 Research & Innovation Programme. It shows 755 following and 923 followers. A pinned tweet from May 31 mentions a packed newsletter from B2-supported @LENSinitiative, marking 90 years of #neutrons. Another tweet from May 30 announces that the newsletter is out now.

**BrightnESS<sup>2</sup>**  
4,863 Tweets

**BrightnESS<sup>2</sup>**  
@brightnesseu

BrightnESS<sup>2</sup> receives funding from the @EU\_H2020 Research & Innovation Programme. Any related tweets reflect only the views of the project owner @essneutron

[brightness.ess.se](http://brightness.ess.se) Joined October 2015

755 Following 923 Followers

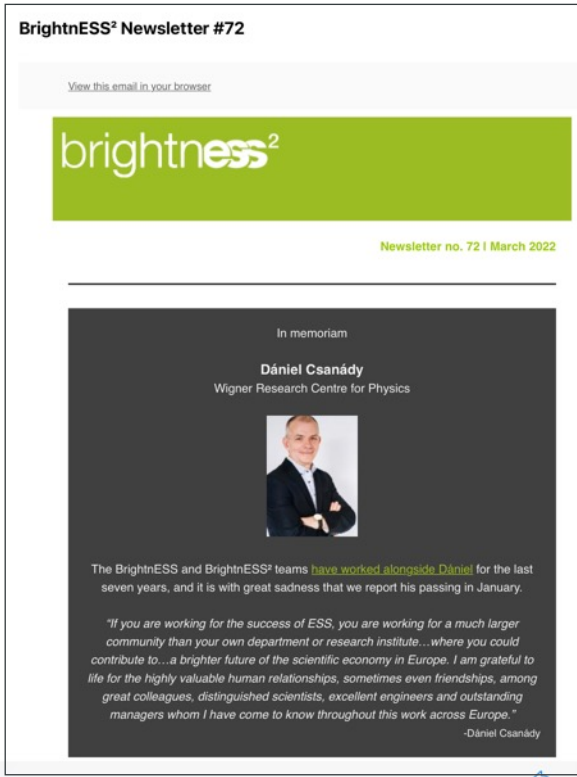
**Tweets** Tweets & replies Media Likes

**Pinned Tweet**

**BrightnESS<sup>2</sup>** @brightnesseu · May 31  
Another packed newsletter from #B2-supported @LENSinitiative, marking 90 years of #neutrons.

Find out how @essneutron "will soon be able to benefit from the fruits of #LENS technical collaborations in WG3" in the foreword by @JanoschekMarc @psich\_en

**LENS Initiative** @LENSinitiative · May 30  
Our newsletter is out now! 🎉



The screenshot shows the content of Brightness<sup>2</sup> Newsletter #72, dated March 2022. It features a green header with the logo and a section titled 'In memoriam' for Dániel Csanády, a physicist at the Wigner Research Centre for Physics. The text expresses sadness over his passing in January and reflects on his contributions to the scientific community and the project. A quote from Dániel is included at the bottom.

**BrightnESS<sup>2</sup> Newsletter #72**

View this email in your browser

**brightness<sup>2</sup>**

Newsletter no. 72 | March 2022

In memoriam

**Dániel Csanády**  
Wigner Research Centre for Physics

The BrightnESS and BrightnESS<sup>2</sup> teams [have worked alongside Dániel](#) for the last seven years, and it is with great sadness that we report his passing in January.

*"If you are working for the success of ESS, you are working for a much larger community than your own department or research institute...where you could contribute to...a brighter future of the scientific economy in Europe. I am grateful to life for the highly valuable human relationships, sometimes even friendships, among great colleagues, distinguished scientists, excellent engineers and outstanding managers whom I have come to know throughout this work across Europe."*

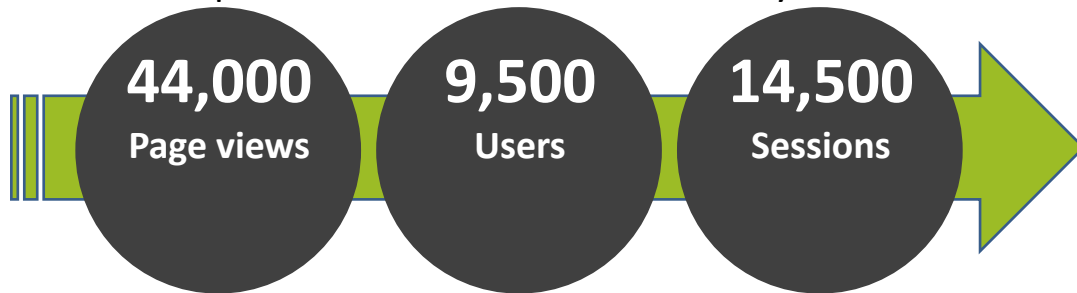
-Dániel Csanády



## brightness<sup>2</sup> 5.4 Communication and Dissemination: Activities and Results

Three communication channels over the period have **increasingly** provided

- Public visibility to partners and their activities
- Support for BrightnESS<sup>2</sup> & LENS communication and dissemination activities across all Work Packages
- A communications multiplier that delivers media and messages important to the European neutron science community



### Twitter

30% increase in users  
12,000 monthly impressions  
1,200 monthly profile views

### Website

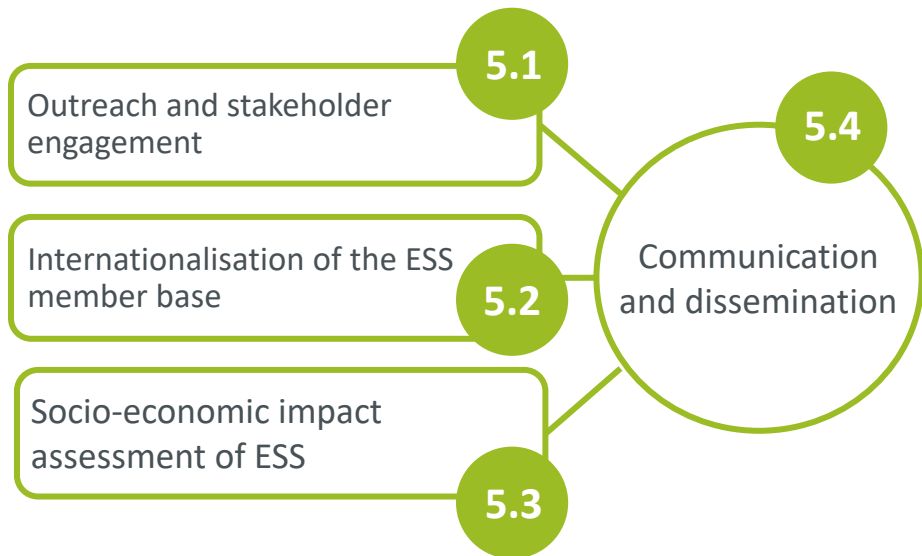
Doubling of activity across all measures



# brightness<sup>2</sup> WP5: Overview and Timeline

## Aim

Establish ESS as a truly global research infrastructure with an impact in and outside Europe via strategic communication and dissemination activities targeting the experts' community and society at large



Deliverables		
D5.1	BrightnESS <sup>2</sup> website	M02
D5.2	Stakeholder engagement and enlargement activities I	M13
D5.3	Stakeholder engagement and enlargement activities II	M25
D5.4	Socio-economic impact of ESS	M34 ✓
D5.5	Stakeholder engagement and enlargement activities III.	M35 ✓

Milestones		
MS1	First Activity Plan for outreach and enlargement	M03
MS8	Second Activity Plan for outreach and enlargement	M13
MS12	Presentation of the ESS SEassessment approach and first results in international fora	M18
MS18	Third Activity Plan for outreach and enlargement.	M25 ✓



## WP5: Impact and Sustainability

- Supported development of European neutron community
- New avenues of collaboration between facilities have been established and reinforced, particularly LENS and the Common Roadmap
- Delivery of ESS's first SEI report strengthened impact reporting approaches, this pilot will build on experience here and at other RIs
- RI Logistica, establishing agency for future collaboration between all RIs
- Supported development of Canada, South Africa neutron communities, engagement and cooperation with ESS
- Successful web and twitter sites promoted the project and will be maintained for five years - referring followers to LENS platform

