

brightness²

General Assembly

Work Package 3 - In-Kind Contribution Management

Mauro Zambelli

European Spallation Source ERIC



February 12th 2020, Brussels

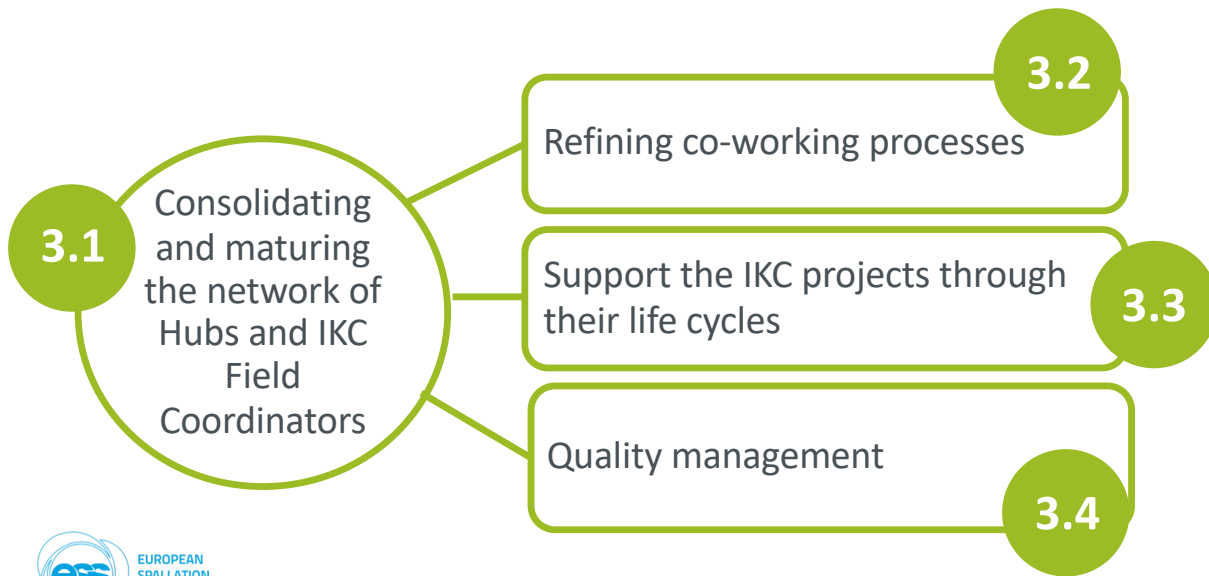
The foundation of **Work Package 3** is to build upon the successful network of Field Coordinators and their associated Hubs, further developing their usefulness and allowing them to support the Partners' in-kind work as it transitions from contracting and design activities, through manufacture and into installation and commissioning



brightness² Work Package 3: Overview and Timeline

Aim

Consolidate the success of BrightnESS, evolving the functioning In Kind system to establish an excellent basis for international cooperation inside ESS ERIC



Deliverables			
D3.1	Agreed joint working practices	✓	M10
D3.2	1st Annual IKC Progress Report	✓	M13
D3.3	2nd Annual IKC Progress Report		M25
D3.4	Lessons learnt from IKC on ESS		M30

Milestones			
MS2	First IKC Field Coordinators Workshop	✓	M04
MS11	Second IKC Field Coordinators Workshop	✓	M16
MS19	Third IKC Field Coordinators Workshop		M28

#1

FC Workshop Jülich

Two Field Coordinators
Network meetings in
2019 – February in
Jülich and September in
Lund



Reviewed status and
progress, shared lessons
learned, identified missing
activities, defined
interactions between
Hubs and analysed the
impact on ESS and
Partners

#2

FC Workshop Lund



brightness² Task 3.1 - Maturing the network of Field Coordinators



- Appreciating IK issues in the field
- Regular bi-weekly video meetings with the IK Team at ESS
- Ensuring effective communication channels and relationships



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brightness² Task 3.1 - Maturing the network of Field Coordinators



*Learning
from
Others*

- IKBEST5 Conference (April 2019, Helsinki)
- IKON17 - The Seventeenth In-Kind Contributions Meeting for Neutron Science for Instruments (September 2019, Lund)
- Big Science Sweden Conference 2019 (November, Lund)
- Visits to / meetings with other Research Institutions (XFEL / FAIR)



brightness² Task 3.2 - Refining co-working processes

- Visiting Partner Institutes to explore issues
- Refining processes
- Sharing best practice



brightness² ■ Task 3.4 - Quality Management

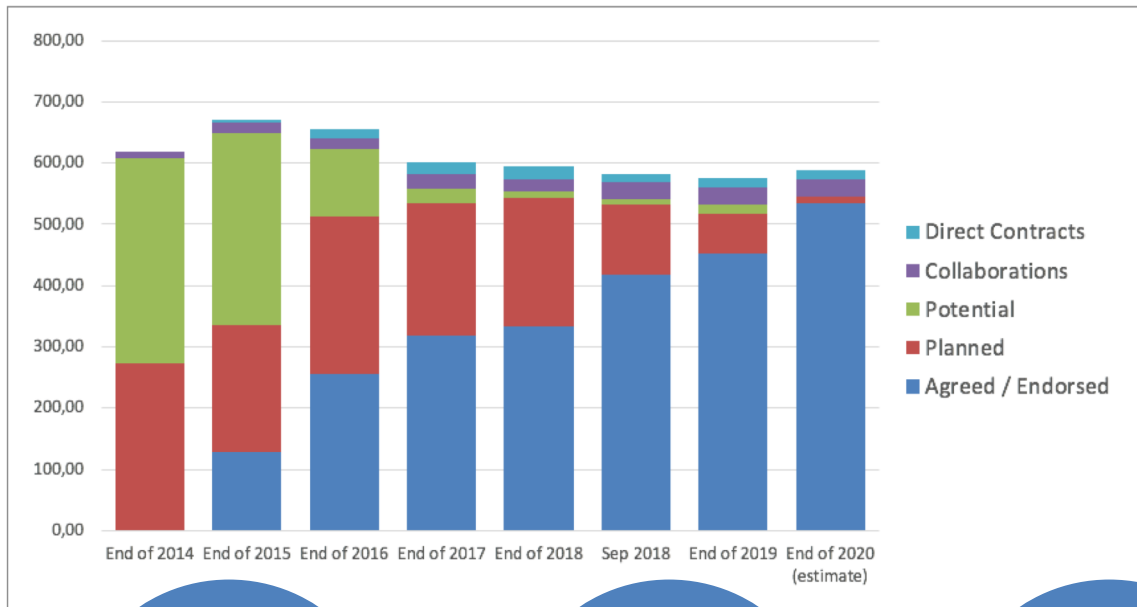


- Specific Workshops dedicated to Quality Management, Quality Documentation, Declaration of Conformity and CE Marking
- October 2019 – ELETTRA, Trieste
- January 2020 – CEA/CNRS, Orsay



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brightness² Task 3.3 - Support the IKC projects through their life cycles



496 M€
Contributions

147
Technical
Agreements

24
Collaboration
agreements



brightness² Task 3.3 - Support the IKC projects through their life cycles

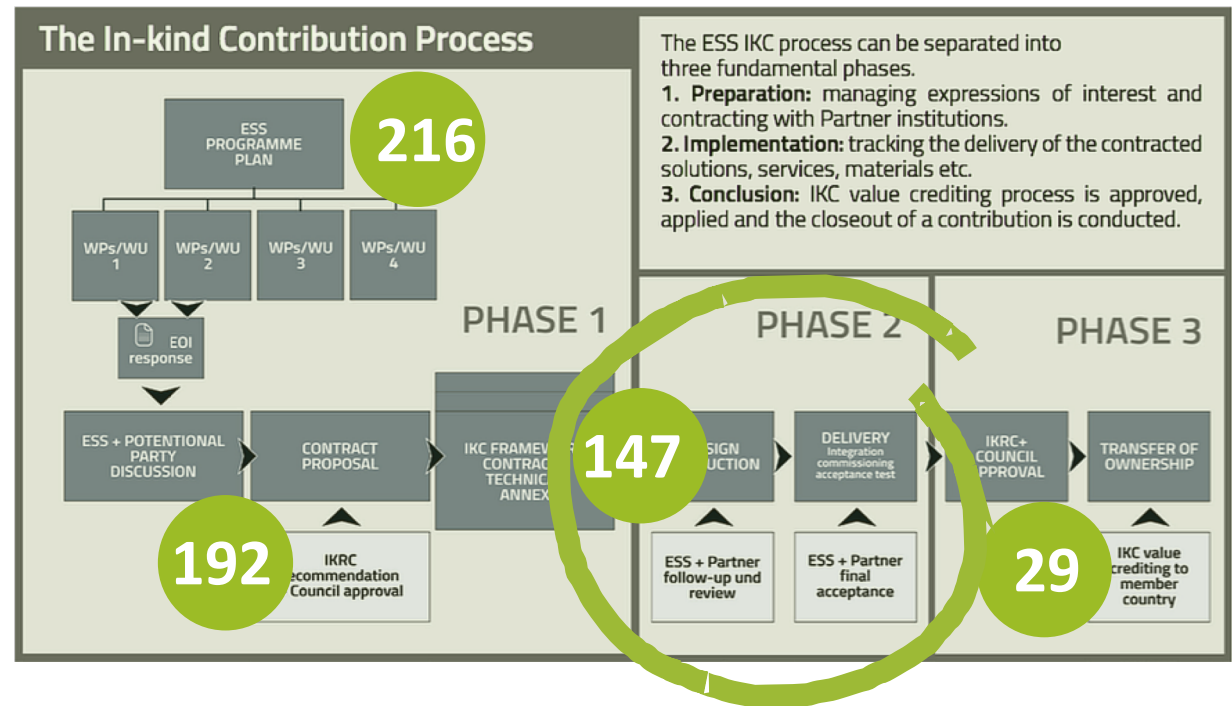
Key Challenges - organisation

Original organisational structure served ESS well from 2013 to 2018, enabling establishment of firm foundations

Structure was not as well suited to new installation and commissioning phase

By restructuring in October 2019, established clearer direct responsibilities

Now need to develop new relationships and the detail for Phase 2



brightness² Who made possible the results : The ESS Team



Christine
Darve



Ebbe
Malmstedt



Gareth
Aspinall



Magnus
Eriksson



Miloš
Davidović



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Who made possible the results : The Field Coordinators



Promoting best practices relating to Quality Assurance and technical documentation amongst French IK Partners
Assuring systems conformity from both technical and legal point of view
Identifying requirements and associated documents for Declaration of Conformity and CE marking

Vincent Hennion 



Estefanía Abad Garcia

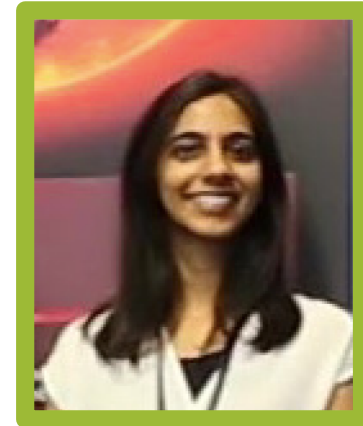


Fiamma García-Toriello

Negotiation of the Spanish In-Kind Contribution Agreement with ESS towards the conclusion
Technical Annex relevant to MIRACLES instrument agreed and finally recommended by IKRC#20 held on 22nd January 2020
ISO 9001:2008 certification obtained for the whole ESS Bilbao organization
21 deliveries of equipment, from ESS Bilbao or from suppliers to ESS
Risk analysis for the ESS Bilbao target and RF contributions established
Field Coordinators in close coordination with Spanish ILO



PMs' workshop held at the Daresbury Laboratory in April 2019
Two UK-ESS days held at STFC
(one at Daresbury in Nov-19 and one at the Harwell Campus in Dec-19)
UK-ESS Board Meetings (with the ESS IK Group Leader attending)
Project Board Meetings (with ESS representatives attending e.g. ESS division heads);
Quality management issues presented on through the Accelerator Collaboration Board



Kamini
Manick



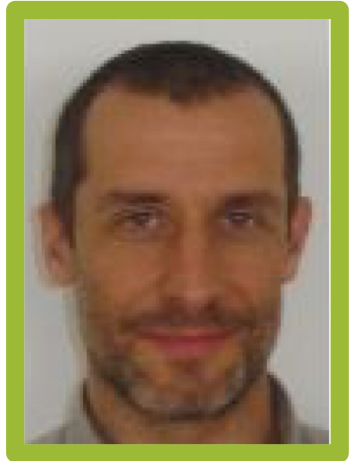
Dániel
Csánady



14 *In-kind Technical Annexes* (TAs) and 2 related training agreements in the period 2015-2019: (a) research and development for the NSS project, (b) secondment agreements, (c) engineering design and manufacturing of components
Highly specialized manufacturing project for the NMX Instrument
Industrial Liaison Officer's (ILO) workshop (Budapest, June 2019)

Who made possible the results : The Field Coordinators

Assistance to the IK Partners in reviewing the Technical Specifications of calls for tender, with particular attention to Quality Documentation
Assistance in the preparation of documentation required for the declaration of conformity (Safety Hazards Analysis; Test Reports; Non Conformity Reports; Installation, Operation and Maintenance Manuals)
Monitoring of signature process of Technical Annexes from CNR and Trilateral IKC Agreement - INFN, CNR and ESS



Tania
Claudio Weber



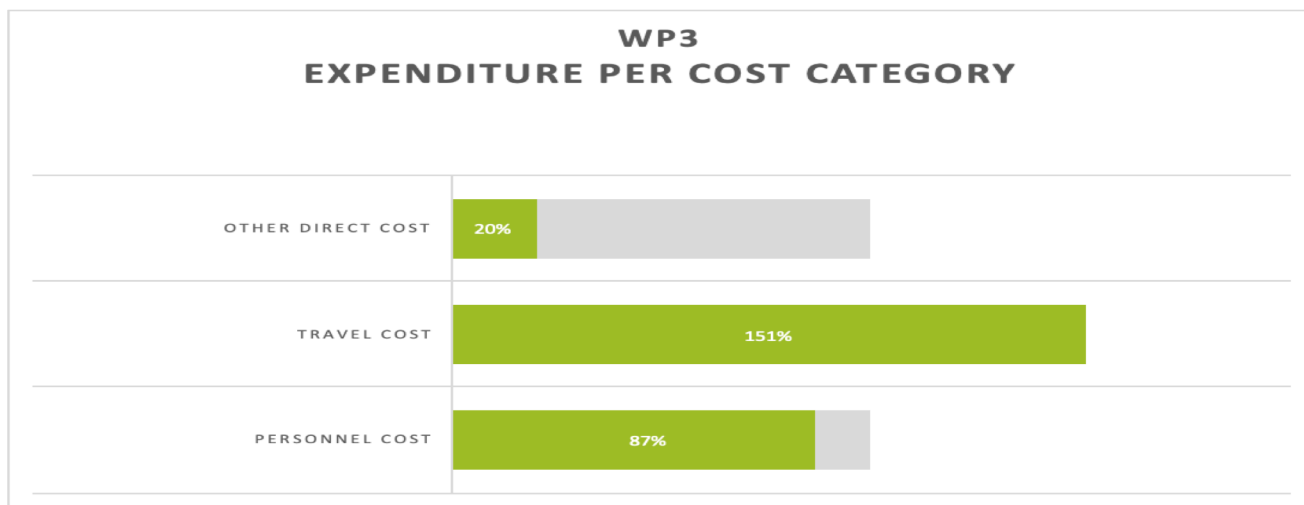
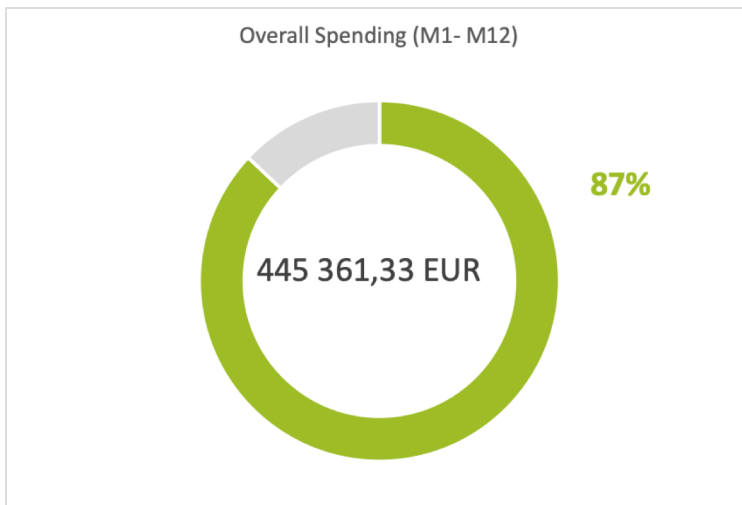
Paolo
Mereu



Organization and hosting of the BrightnESS2 WP3 kick-off meeting (Jülich, February 2019)
Combined ICEB (Instrument Collaboration Executive Board) for the instruments DREAM, SKADI (FZJ-DE and LLB-FR), and MAGIC (FZJ-DE, LLB-FR and PSI-CH)
Welcoming of the ESS Council Members in December 2019 for a tour of the entire campus of the Forschungszentrum Jülich, and a visit to the Central Department for Engineering, on the occasion of the Council Meeting #17
Overview of the financial flows from German Funding Agency to ESS to the IK Partners



WP3 Costs



PARTNER	USE OF BUDGET (%)
ESS	84%
STFC	108%
FZJ	123%
Wigner RCP	50%
INFN	49%
ESS BILBAO	70%
CEA	99%



brightness² Key Challenges – Project

Aligning the System to deliver FIRST SCIENCE in 2023

- Strengthening shared work processes to take account of the ESS restructure
- Promoting Best Practices

Delivering clear & transparent communication

- Maturing the network of IKC Field Coordinators
- Fostering visible, shared and reliable information
- Enhancing communication within all parts of the In-Kind system

Removing the roadblocks to delivery & installation



- VAT in relation to In-Kind Contributions
- Ownership transfer, liability and warranties for In Kind Contributions
- Quality management of In-Kind Contributions



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brightness² Key Challenges and next steps: identified Key Actions

	Actions	Month
#1	Refine the IK management system to take account of the ESS restructure	M18
#2	Evolving XRM++ by creating visible and shared IK reports	M21
#3	Build on best practice exchange	M24
#4	Maturing the network of Field Coordinators	M24
#5	Refine shared communications to take account of the ESS restructure	M21
#6	Develop a risk mitigation strategy for VAT exposure	M15
#7	Develop a shared approach for In-Kind Contribution ownership transfer	M21
#8	Develop and implement a shared working practice for CE marking of In-Kind Contributions	M24



8
Actions

To structure our work over the coming year

Teams and leads from ESS functions, IK Partners and Field Coordinators

An updated version of this Deliverable will be made in an updated report in Q1 of 2021



brightness² Next steps: Future activities - 2020

During 2020 the organization of and/or the participation to a number of events has been planned, as follows:

- Participation to the ILO Strategy Meeting (Catania, February)
- ESS IK Group / Field Coordinators meeting (Place TBD, May)
- Big Science Business Forum 2020 (Grenada, October)
- Workshop - Quality for In-kind (3÷4 meetings at Partners' locations)

Further to these, the planning and management of the IKRC meetings must be added, as the participation of IK Group representatives and Field Coordinators to the ESS Governance meetings, with specific reference to the ESS Council and the Administrative and Financial Committee.



WP3 - *In-Kind Contribution Management*

Thank You!

Questions?



Mauro.Zambelli@ess.eu

