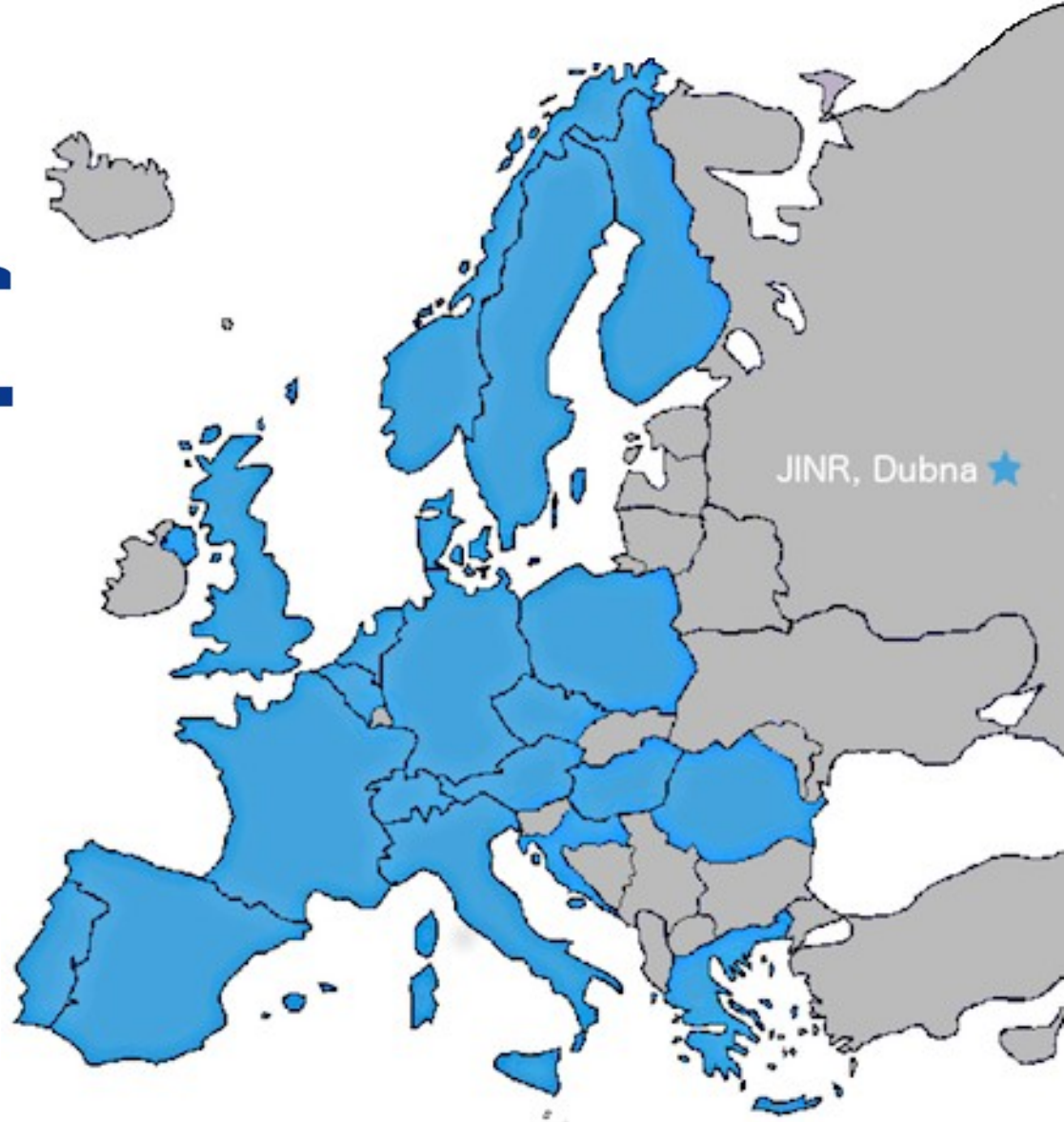


NuPECC

2018

R-D Herzberg
A Murphy

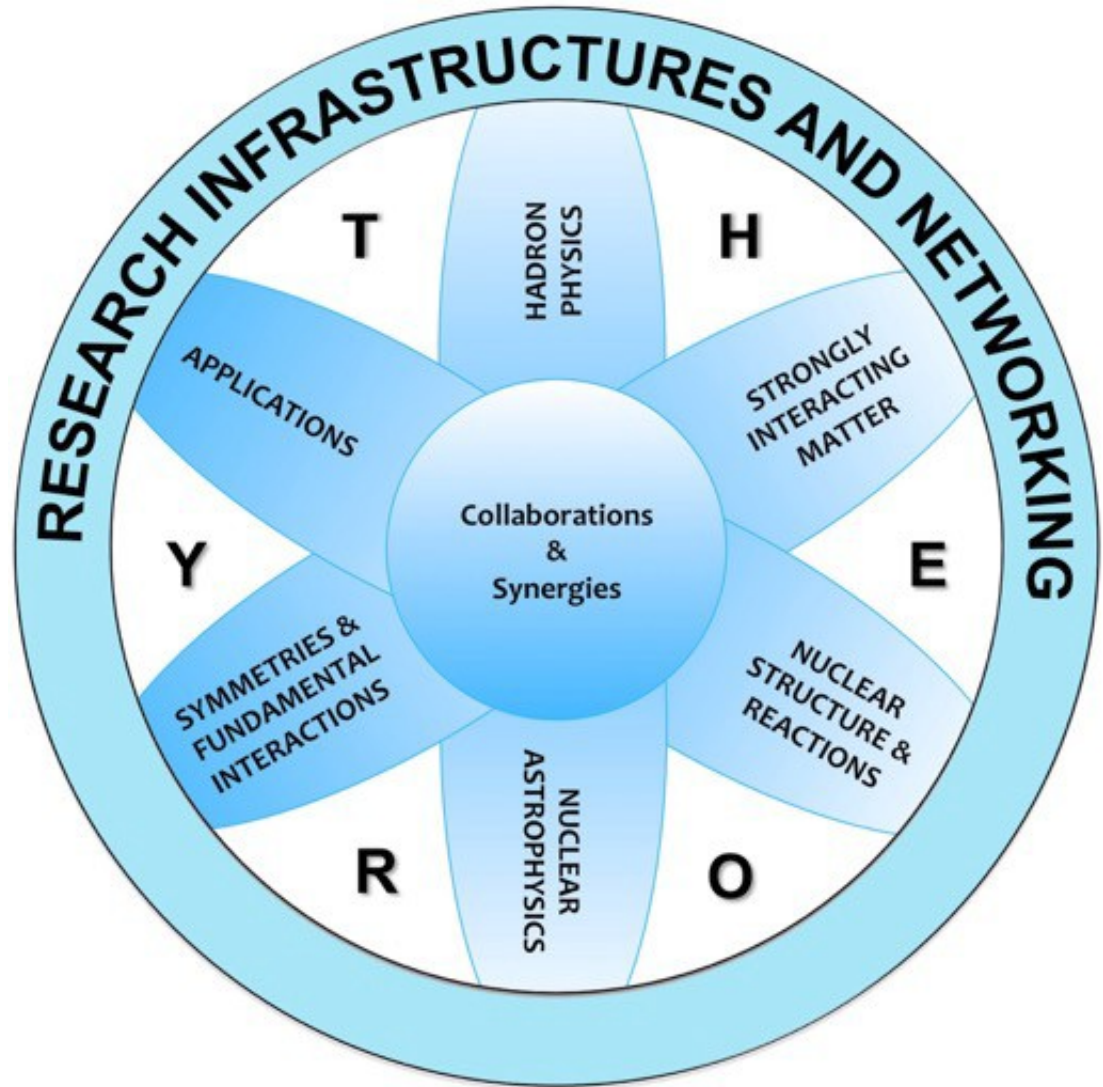


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- ★ iThemba Labs, South Africa
- ★ RIKEN Nishina Center, Japan

NuPECC Objectives

- Develop the strategy for European collaboration in nuclear science by supporting collaborative ventures between research groups within Europe
- Promote nuclear physics and its trans-disciplinary use in applications for societal benefit



New Management Structure



Marek Lewitowicz
Chair



Eberhard Widmann
Vice-Chair



Sissy Koerner
Scientific Secretary



Paul Greenlees
Treasurer

- Monthly meetings to follow-up on all NuPECC activities
- Preparation of NuPECC meetings



Presentation of the Long Range Plan 2017 of NuPECC



brochure

Perspectives in Nuclear Science and its application

UK contributions from: Carlo Barbieri, Alison Bruce, Martin Freer, Laura Harkness-Brennan, Rolf-Dietmar Herzberg, Raphael Hirschi, Dave Ireland, Samuel Jones, Alison Laird, Alexander Murphy, Paul Nolan, Paddy Regan, John Simpson.

The NuPECC 2017 LRP RECOMMENDATIONS

Complete urgently the construction of the ESFRI flagship FAIR and develop and bring into operation the experimental programme of its four scientific pillars APPA, CBM, NUSTAR and PANDA.

Support for construction, augmentation and exploitation of world leading ISOL facilities in Europe.

Support for ALICE and the heavy-ion programme at the LHC with the planned experimental upgrades.

Support to the completion of AGATA in full geometry

Support for the full exploitation of existing and emerging facilities

Perform vigorous programmes in nuclear applications

Support for Nuclear Theory

Training the next generation of nuclear scientists

Perform R&D programmes for possible future facilities.

Motivation: Desire from NuPECC to explore how the recommendations from the [2017 LRP](#) can be implemented (noted timing of *ongoing* [Nuclear Physics Programme Evaluation](#), thus *urgency*)

Previous equivalent meetings: 1 (Norway 2018)

Venue: Polaris House

Date: 8 August 2018

(context: idea only floated at the NuPECC Oslo meeting of 15/6/18)

Meeting Attendance:

- Navin Alahari (IN2P3 NuPECC representative, via video link)
- Grahame Blair (STFC Director of Programmes),
- **Andy Boston (STFC NP Advisory Panel Chair),**
- Rodi Herzberg (UK NuPECC member),
- **Marek Lewitowicz (NuPECC Chair),**
- Sissy Koerner (NuPECC Scientific Secretary),
- George Madden (Acting NP Programme manager, and PPRP secretary),
- **Tony Medland (STFC Programmes Directorate),**
- Alex Murphy (NuPECC UK member),
- Eberhard Widmann, (NuPECC Vice-Chair).

Agenda/presentations:

- Introductions
- Marek Lewitowicz
 - Context for the meeting; a NuPECC task force has been created, charged with engaging with each of the NUPECC partners
- Andy Boston
 - Current STFC NP Roadmap,: breadth & scope in terms of science & resource.
 - Highlighted funded programmes and instrumentation development; associated exploitation; opportunities for the (mid and long term) future
 - UK NP community engagement with the UKRI targeted funding opportunities.
- Tony Medland
 - Overall structure of science funding in the UK,
 - STFC view of UK; on-going Programme Evaluation exercise.
- Marek Lewitowicz
 - The nature of NuPECC, its remit, objectives and activities.
 - The 2017 Long Range Plan; the major scientific challenges being addressed; and each of the LRP recommendations that address these challenges.
- Discussion...

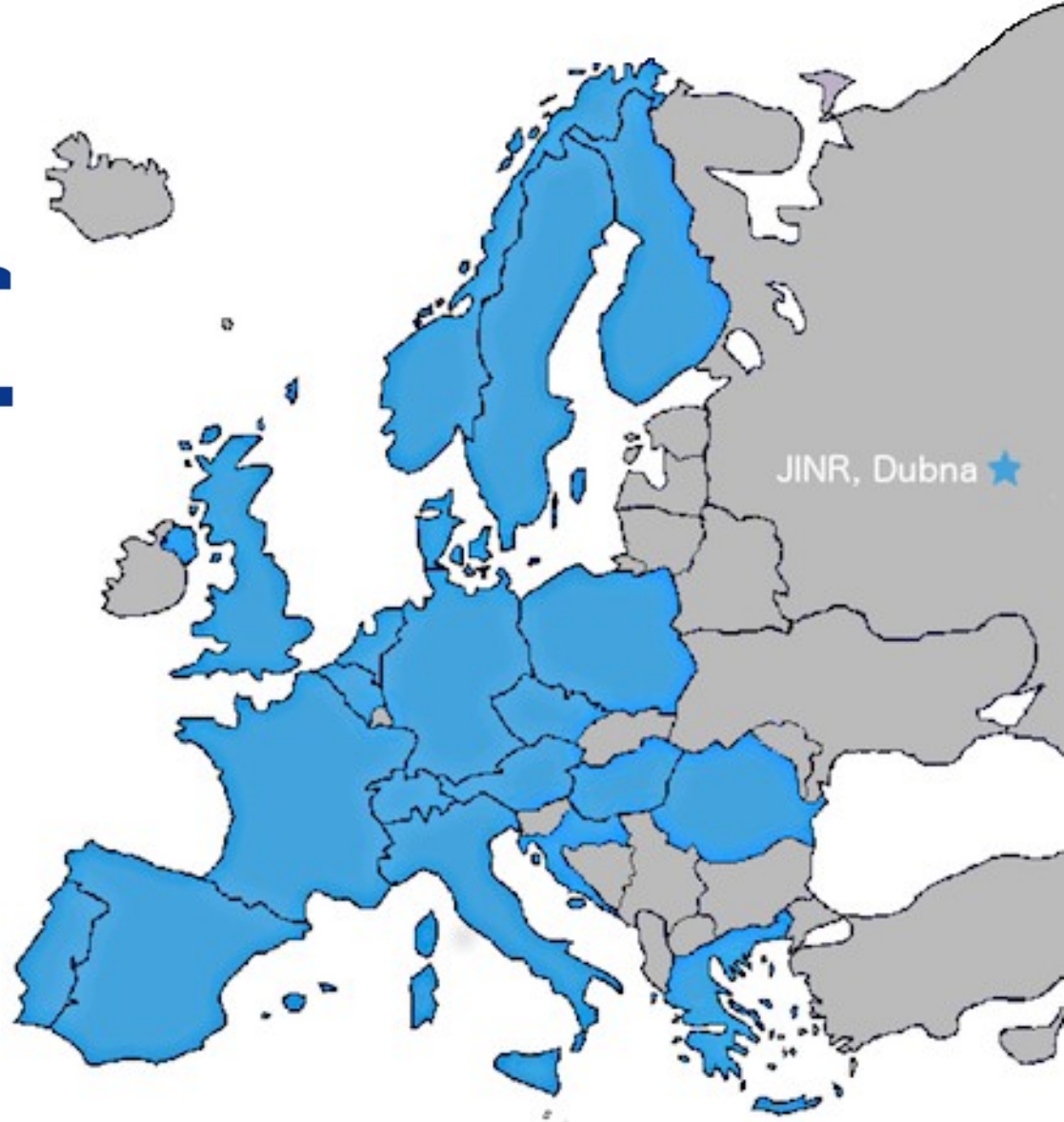
Findings/conclusions

- With but a few exceptions, *there already exists very good alignment between the NuPECC priorities and recommendations and the on-going UK programme.*
- Due to the input from the UK in drafting the LRP.
- Opportunities for the future include
 - involvement in EUSISOL-DF through the various Isolde initiatives
 - Horizon-2020 ENSAR2 and HadronPhysics Strong-2020 projects.
 - Appointment of Jacek Dobaczewski, supported by STFC, is leading to increased involvement in the ECT*, Trento.
 - Accelerator upgrade at Birmingham, □ Science & training opportunities. Queried whether this might be designated a NuPECC 'recognised' facility? (The absence of a UK facility is a glaring omission in the European landscape).
- Major area of importance for the future is computing,
 - Brief discussion of the computing requirements for large scale European facilities, especially CERN. NuPECC's considerations of these aspects are somewhat preliminary, awaiting deeper discussion at national level,; appears to be a developing trend for national computing strategies.

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A Murphy



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