



60 Years

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Atoms for Peace and Development

IAEA plans for follow-up of CIELO

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Follow-up of CIELO: items for discussion

- Possible objectives
- Most appropriate IAEA “instrument”
- Role of IAEA and NEA.
- Budget
- **Proposal: Discuss, decide and start-up of the above at an IAEA Technical Meeting on December 18-21 2017, IAEA, Vienna**

Objectives

- Continuation/revision of the big 6: H-1, O-16, Fe-56, U-235, U-238, Pu-239?
- Definition of a new batch of high priority isotopes?
 - Aiming for maximum participation: again light, medium nuclides and actinides?
 - Minor actinides (Pu²⁴⁰⁻²⁴², Am) or Th²³²-U²³³?
- Both continuation of big 6 and a new batch?
- New name?

IAEA instruments for collaboration

- Coordinated Research Project (CRP):
 - Typically 4 years, including reporting
 - Typically 3 meetings, one per 1 ½ year (begin, middle and end)
 - Typically 10-15 partners
- **Technical Meeting:**
 - General meeting with many participants (15-20)
 - not systematic in time like CRP
- **Consultancy Meeting:**
 - Small meeting with up to 5 consultants
 - Aimed to tackle a particular subject
- Network:
 - Nuclear Structure and Decay Data (NSDD): ENSDF etc, biennial meeting
 - Nuclear Reaction Data Centres (NRDC): EXFOR, annual meeting
 - Network devoted to nuclear data evaluation ??

All above activities can be funded (at least the travel)

Role of IAEA and NEA

- IAEA:
 - In house expertise: Evaluation, nuclear reaction measurements, standards and model codes, formats, processing
 - Sponsor meetings and activities
 - Maintain evaluation website
- NEA
 - In house expertise: Processing, formats, benchmarking, sensitivity tools, large validation systems
 - Define WPEC SG's that connect to the new evaluation project (covariances etc.)

Budget

- IAEA budget available for the 2018-2019 biennium:
 - Technical Meetings
 - Consultancy Meetings
 - Small consultancy contracts for individual evaluation tasks

First IAEA meeting

- **Second half of 2017: CIELO finalization (covariances etc.), releases of ENDF/B-VIII and JEFF, and various NDS publications.**
- **Proposal: Discuss, decide and start-up of the plan for a new worldwide evaluation project at an IAEA Technical Meeting on December 18-21 2017, IAEA, Vienna**



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Thank you!

