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# Global overview of the Nuclear Data Section

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**33th INDC Meeting, March 29 – April 1 2021, IAEA, Vienna**

# Original INDC Meeting: June 15-18 2020



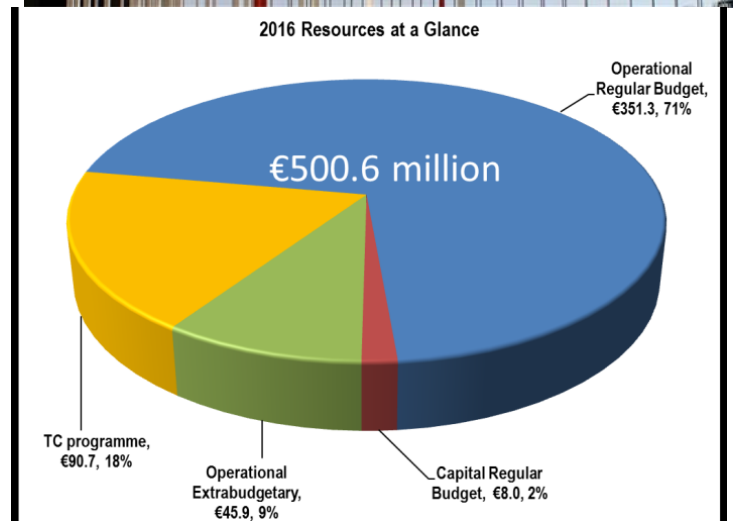
- “We strongly prefer a non-virtual, i.e. real meeting for the INDC, so let’s postpone it to March 2021, when the pandemic will be over”
- .....
- Virtual INDC meeting March 29 – April 1, 2021
  - Reporting over 2018, 2019 and 2020
  - 2021
  - The next biennium: 2022-2023
  - Beyond 2023

# IAEA – Figures & Facts

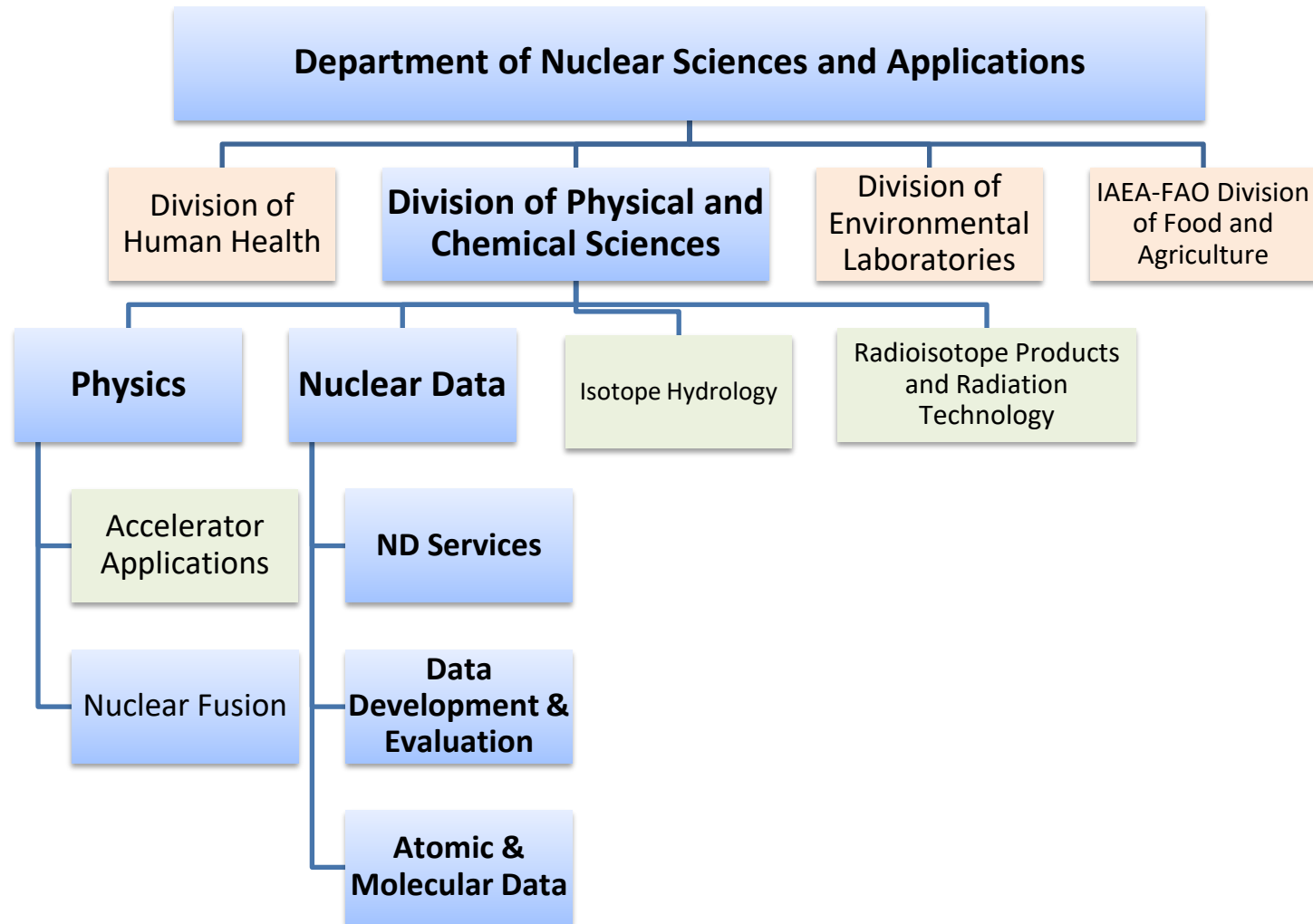
- 172 Member States
- Agreements - 71 Intl. Org.s & NGOs
- ~ 2500 staff
- ~ € 500 M regular budget



2016 Resources at a Glance



# Nuclear Science and Technology



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# Our tools

- **Coordinated Research Projects (CRPs)**: Multi-year projects with 3 meetings (RCM's): kick-off, intermediate after 1.5-2 years, final after 3-4 years
- **Technical Meetings (TM's)**: Large meetings, planned years in advance, on broad topics, requires official national delegation
- **Consultancy Meetings (CM's)**: Short term (“ad-hoc”) Meetings with less than 10 participants
- **Networks**: NRDC, NSDD and INDEN
- **Data Development Projects (DDPs)**: Long term ongoing collaborations on nuclear data (libraries) which may or may not require meetings
- Individual Consultancy **contracts** (“SSA's”) and **visits**
- **Training**: ICTP Workshops and local courses (mostly EXFOR)

# Some highlights 2018-2020

- Successfully completed/published CRPs:
  - Beta delayed neutron emission
  - Photonuclear data and photon strength functions
- NRDC, NSDD, INDEN networks very active: International Nuclear Data Evaluation Network (INDEN) launched, 3 meetings per year on light elements, structural materials actinides
- Several well-attended Technical Meetings, e.g. on anti-neutrino data, processing codes
- Updates of medical isotope production nuclear data: therapeutic, gamma and positron emitters
- Release of important nuclear data libraries
  - IRDFF-II [nds.iaea.org/IRDFF](https://nds.iaea.org/IRDFF)
  - Photonuclear data library [nds.iaea.org/photonuclear](https://nds.iaea.org/photonuclear)
- New database initiatives (CONDERC)
- Popular User Interfaces:
  - Isotope browser passed 120 000 downloads for Iphone/Android etc.
  - Medical Isotope Browser launched

# Summary

- NDS composed of 12P + 4G staff
- Work under MP1
- Nuclear and Atomic + Molecular data
- Operating for > 50 years
- Act as a Data Centre, provide range of data services
- Coordinate Networks
- Organise CRPs and DDPs
- Carry out technical work: compilation, evaluation, software development
- Produce authoritative documents
- Provide training (Internal and Regional)



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*Thank you!*

