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Mapping the world distribution of Uranium deposits

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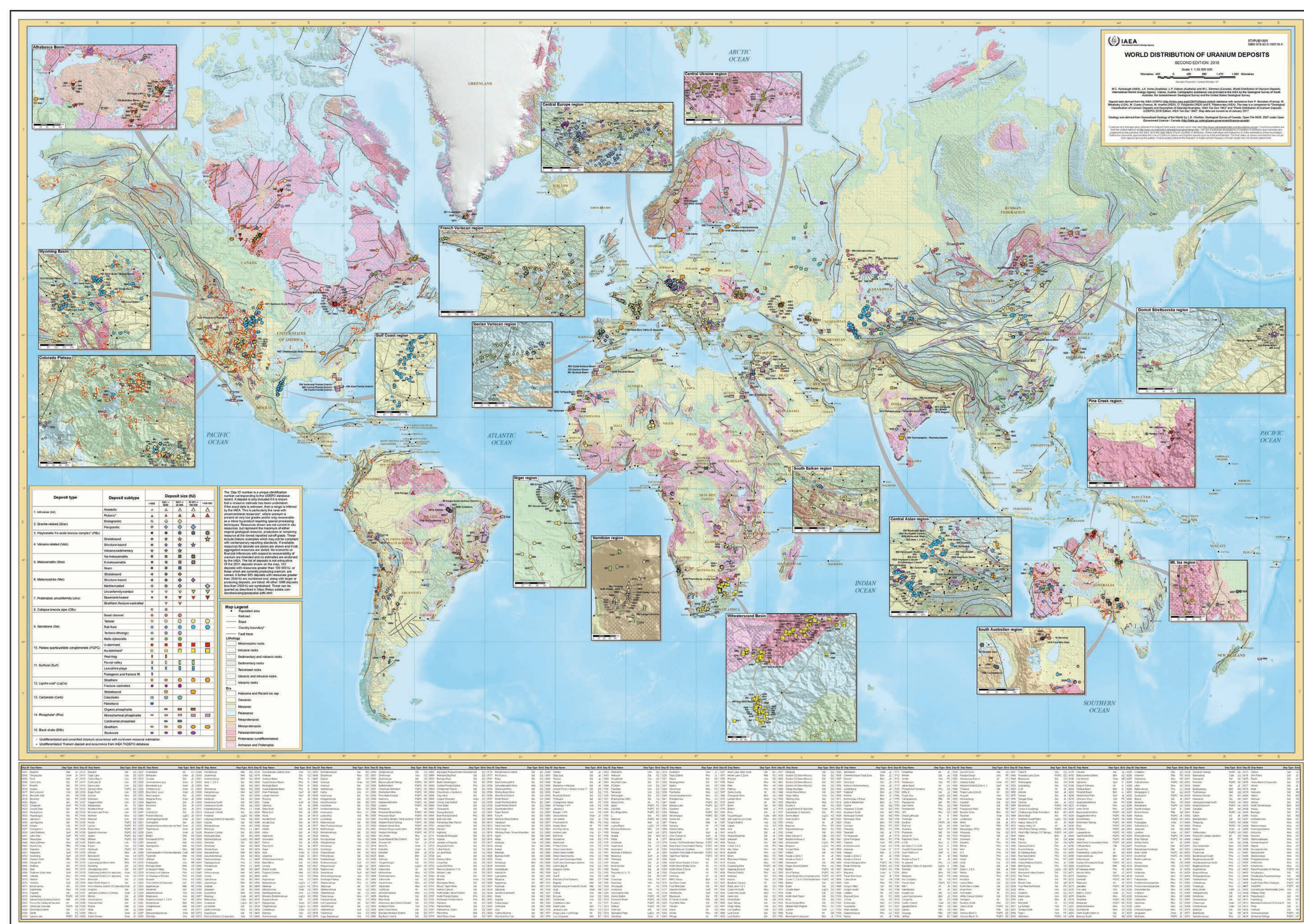
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Mapping the world distribution of Uranium deposits

M Fairclough¹, J Irvine², L Katona² and W Slimmon³

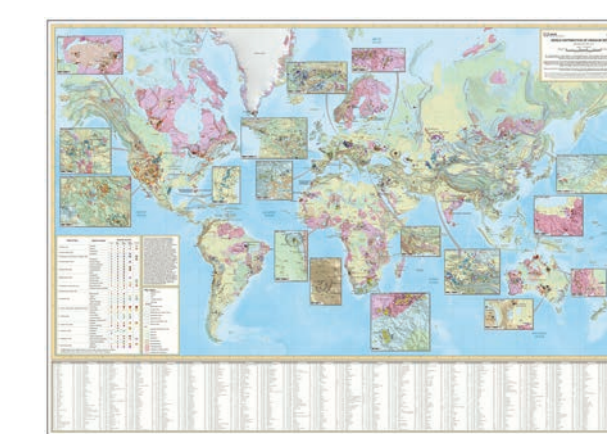
1 International Atomic Energy Agency, Vienna, Austria 2 Geological Survey of South Australia, Department for Energy and Mining 3 Saskatchewan Geological Survey, Regina, Canada

The recent publication of the International Atomic Energy Agency map, entitled World Distribution of Uranium Deposits represents the culmination of work begun in 2015 by the Geological Survey of South Australia in tandem with MoU partner the Saskatchewan Geological Survey in advising the IAEA on a second edition map. The development of the second edition gains further insights into global uranium deposit data and establishes partnerships to advance our understanding of global uranium distribution and quantitative resource assessment. Highlights include the most comprehensive compilation of 2831 known original (not remaining) resource deposits, a new classification scheme by deposit type, new discoveries as well as disaggregation of many previously known districts into deposits.



World distribution of Uranium deposits

Second edition



Non-serial publication

Subject Classification: 0401-Uranium geology, exploration and mining

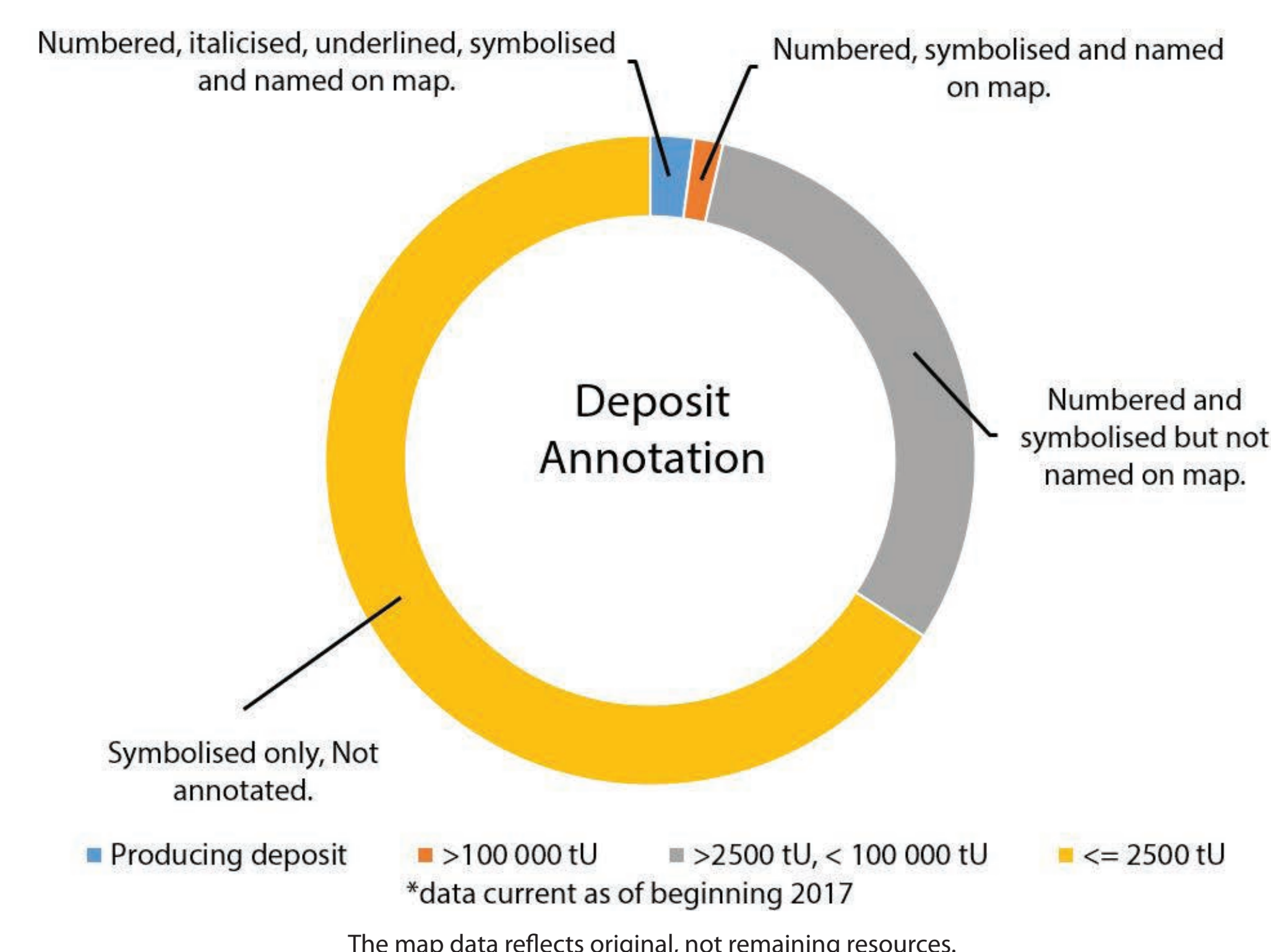
English STI/PUB/1800; (ISBN: 978-92-0100118-4); Date published: 2018

<https://www-pub.iaea.org/MTCD/Publications/PDF/Pub1800.pdf>

Key Features on the second edition map:

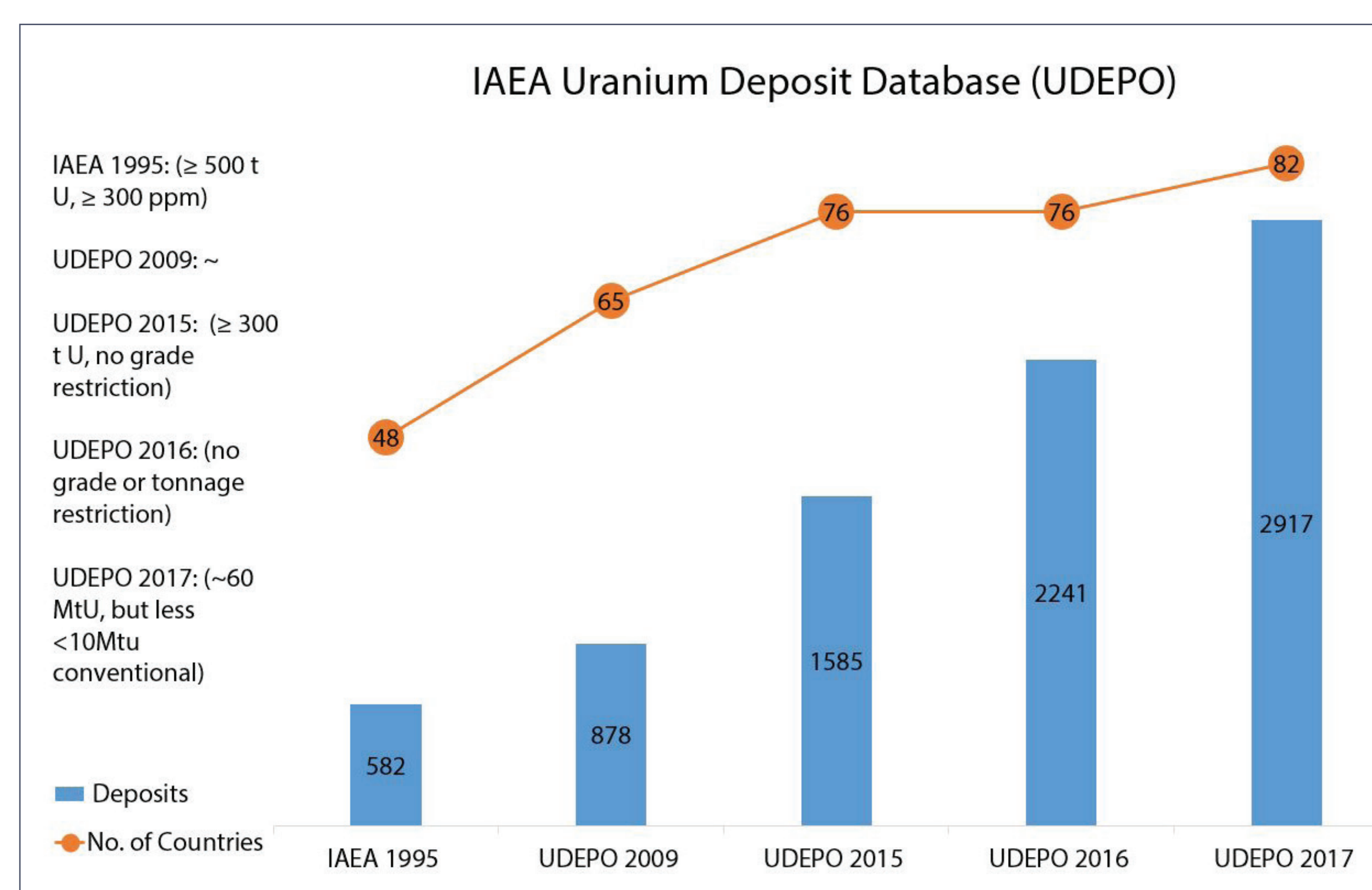
- Additional new deposits, as well as disaggregation of previously known districts into deposits
- A broader range of deposit sizes
- A revised deposit classification system by deposit type
- Improved geological visualisation information.
- Enhanced digital terrain shading
- Bathymetric tints over marine regions
- Additional inset maps over the most productive Australian regions
- Index list of 968 named deposits

Improved information on the geological settings and location of 2831 deposits

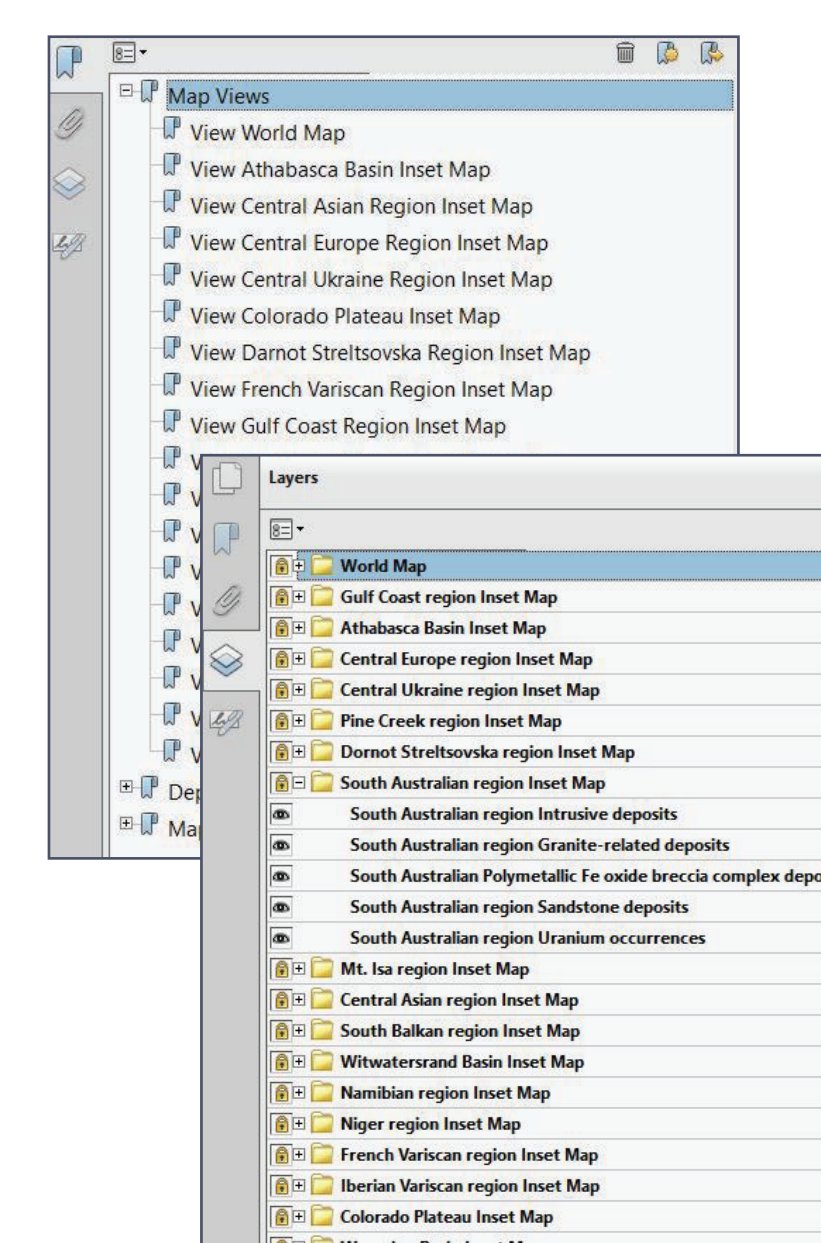


World distribution of Uranium deposits

The IAEA provides assistance to Member States across a range of activities within the Uranium Production Cycle (UPC). An important aspect of this is the global assessment of supply/demand relationships of identified and potential uranium resources. This is achieved partly through the IAEA global uranium deposit database (UDEPO). The UDEPO database has reached a point where it can be used spatially to accurately delineate the distribution of a vastly greater number of known uranium resources in relation to geological setting. Moreover, this information can be viewed in conjunction with information on areas where potential exists for future uranium discoveries (including within known uranium provinces and proposed permissive tracts).



Since the publication of the first edition of the IAEA map in 1995, knowledge of the distribution of different types of uranium deposit has advanced significantly. This has allowed the creation of a more sophisticated and comprehensive database of world uranium deposits (UDEPO) IAEA Tec-Doc1842.



- Custom views for each deposit type
- Custom views for areas of interest
- Custom layers to allow any combination of deposit type
- Custom layers for areas of interest
- UDEPO querying capability using Object Data Tool
- Structured bookmarks to aid map navigation

19/09/2018-205097_002

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International Atomic Energy Agency



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