

NAWG – the beginnings

- Interest in international coordination of NA work sprung from the initial collaboration between SKB & Nagra that resulted in the first NA review (Nagra NTB 84-41/SKB TR 84-16)
- Led to first meeting - *Natural analogues to the conditions around a final repository for high-level radioactive waste. Lake Geneva, Wisconsin, U.S.A., 1–3 October 1984. N.A. Chapman & J.A.T. Smellie (eds). Chem. Geol. 55, 167-388 (1986)* – which then led to setting up NAWG (Neil Chapman and Bernard Côme)
- At the time, there were a few EU groups which were *ad hoc* in nature (e.g. CoCo Club), so NAWG followed suit with an EU secretariat (Bernard) and a chairman (Neil)



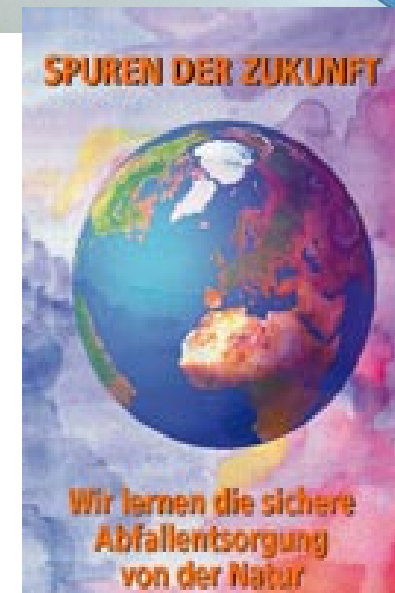
NAWG – the workshops

- **1st NAWG Workshop: Brussels, Belgium, 1985**, where the theme was the interaction between modellers and NA experimenters (EUR 10315)
- **2nd workshop: Interlaken, Switzerland, 1986**, where anthropogenic analogues and the role of colloids, complexes and microbes have been reviewed (EUR 10671)
- **3rd Workshop: Snowbird, USA, 1988**, where the application of natural analogues to repository performance assessment was discussed (EUR 11725)
- **4th Workshop: Pitlochry, Scotland, 1990**, was devoted to review 5 years of NA studies and the final conclusions drawn from the **Poças de Caldas** study (EUR 13014)
- **5th Workshop: Toledo, Spain, 1992**, was held in association with the final workshop of the **Alligator Rivers Analogues Project** (EUR 15176)
- **6th Workshop: Santa Fe, USA, 1994**, where the intention was to review the "state-of-the-art" of several key issues in near-field and far-field processes and their importance to PA with the intention to provide a consensus view of the remaining areas requiring further research in natural analogues (EUR 16761)
- **7th Workshop: Stein am Rhein, Switzerland, 1996**, where one of the main themes of the workshop was the application of natural analogues to toxic wastes (EUR 17851 EN)
- **8th Workshop: Strasbourg, France, 1999**, was devoted to a presentation of three, major international natural analogue projects, **Oklo (II), Palmottu and Pena Blanca** (EUR 19118)
- **9th Workshop: Aarau, Switzerland, 2002**, where the theme was the current international status of natural analogues
- **10th Workshop: Munich, Germany, 2007**, where the workshop examined how current and future studies could be better focussed on providing appropriate data for the various end-users of natural analogue data
- **11th Workshop: Liverpool, UK, 2009**, where a short meeting was held at the 12th ICEM (International Conference on Environmental Remediation)
- **12th Workshop: Larnaca, Cyprus, 2011**, where bentonite reaction, cement degradation and PR were themes
- **13th Workshop, Nagoya, Japan, 2013**. NAs of repository systems – where are we now and what remains to be done – was discussed

NAWG – more than the workshops

NAWG discussions directly led to the:

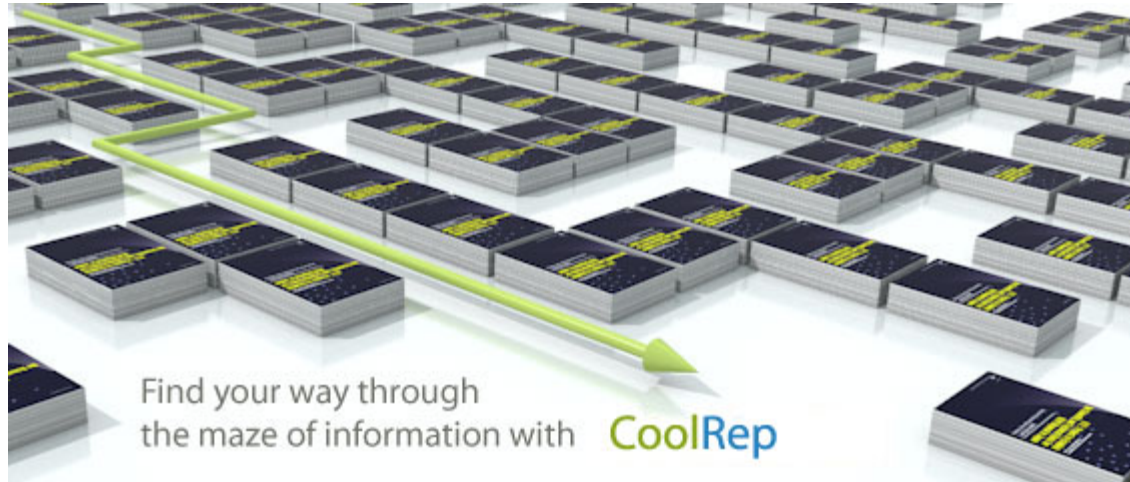
- **identification of areas requiring NA focus (6th workshop)**
- **formation of PAIG in Oklo-II**
- **Cigar Lake retrospective**
- **Palmotto review**
- **natural analogues video (Traces of the future)**
- **two NA review books**
- **NAnet**
- **Currently have 16 members from 14 countries around the world – Australia, Czech Republic, Finland, France, Germany, India, Japan, Korea, Slovak Republic, South Africa, Sweden, Switzerland, UK, USA (formerly also Belgium, Canada, Spain and Taiwan)**
- **Launching new forum shortly....**



Future trends - NAWG

- **Web-based international community, expanding on current small group to include anyone with an interest in NA**
- **Focus on information exchange and promoting excellence in the NA community**
- **Aim to establish a **Centre of Excellence for Natural Analogues** (along the lines of the IAEA's system)**
- **Will be based on JAEA's CoolRep software rather than IAEA's (no intention to recreate Facebook....)**

NAWG



Functions:

- **hyperlinked glossary**
- **smart index / navigation**
- **interactive graphics (incl. video)**
- **linked references, web pages, etc.**
- **automatic QA record generation**
- **dedicated linked ftp site with backup material**



CoolRep



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Welcome to NAWG 14....

10th-12th June, 2015

Olkiluoto, Finland

Full information on

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