

PROFESSIONAL MODULE BASED TRAINING IN NUCLEAR ENGINEERING

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NESTet 2013, 17-21 November, Madrid, Spain

- **Who is AiNT?**
- **Developments in Nuclear Technology in Germany**
- **Maintaining & Build-up of Competence**
- **E&T Programme**
- **Guidelines & Assets**

WHO IS AINT?



- **Spin-off of the RWTH Aachen university**
- **Independent company**

Purpose of activities:

- **Maintaining and building up competence in nuclear technology**
- **Platform for innovative strategies**



DEVELOPMENTS IN NUCLEAR TECHNOLOGY IN GERMANY

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DEVELOPMENTS IN NUCLEAR TECHNOLOGY IN GERMANY

1950s and 1960s: establishment of major nuclear research centers

→ e.g. in Karlsruhe and Jülich near Aachen

Advanced R&D landscape developed

→ **Nuclear technology became key technology**

Since the 1980s: change in social and political attitudes towards nuclear technology

→ **Research infrastructure for nuclear technology is brought down**



Source: Karlsruhe Institute of Technology

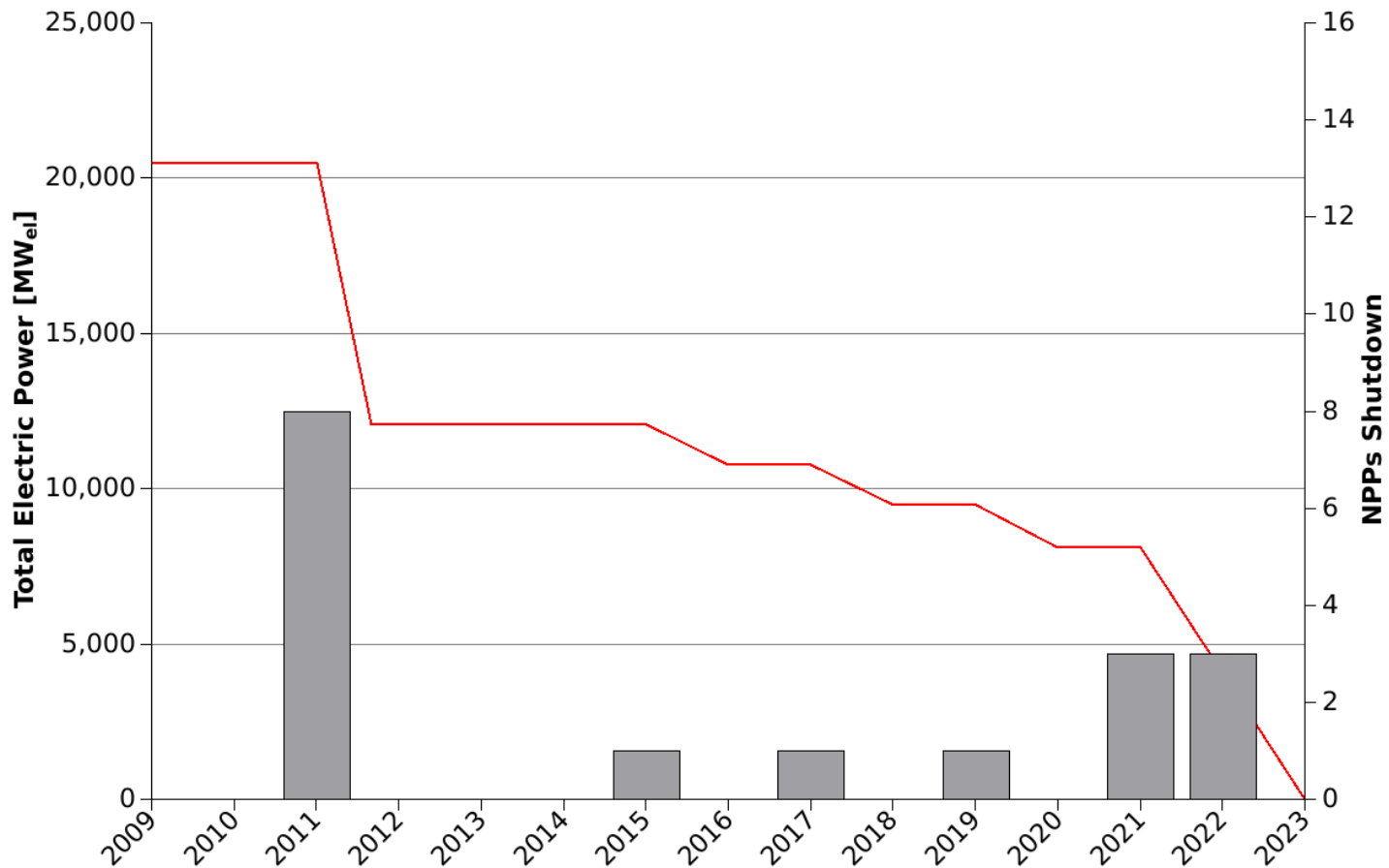


Demonstration at Gorleben Site

RECENT DEVELOPMENTS

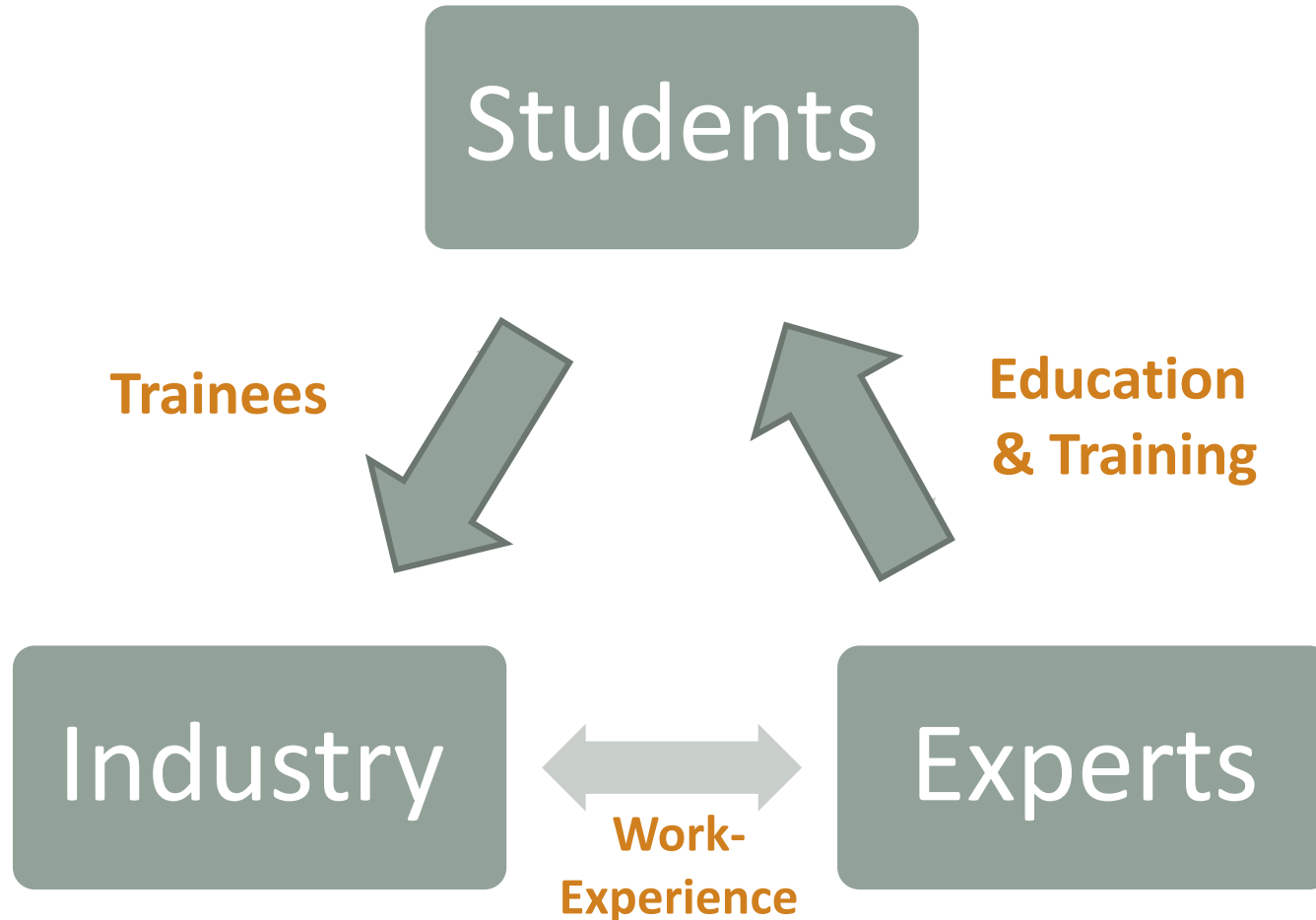
- 14.06.2000: Agreement between Federal Government and utilities (amendment of the Atomic Energy Act)**
- 01.01.2011: Extension of operation time (NPPs)**
- 11.03.2011: Fukushima accident**
- 15.03.2011: Moratorium (3 months)**
- 08.07.2011: Final decision of the Federal Council to shut-down all NNPs**

PHASE OUT OF NUCLEAR ENERGY

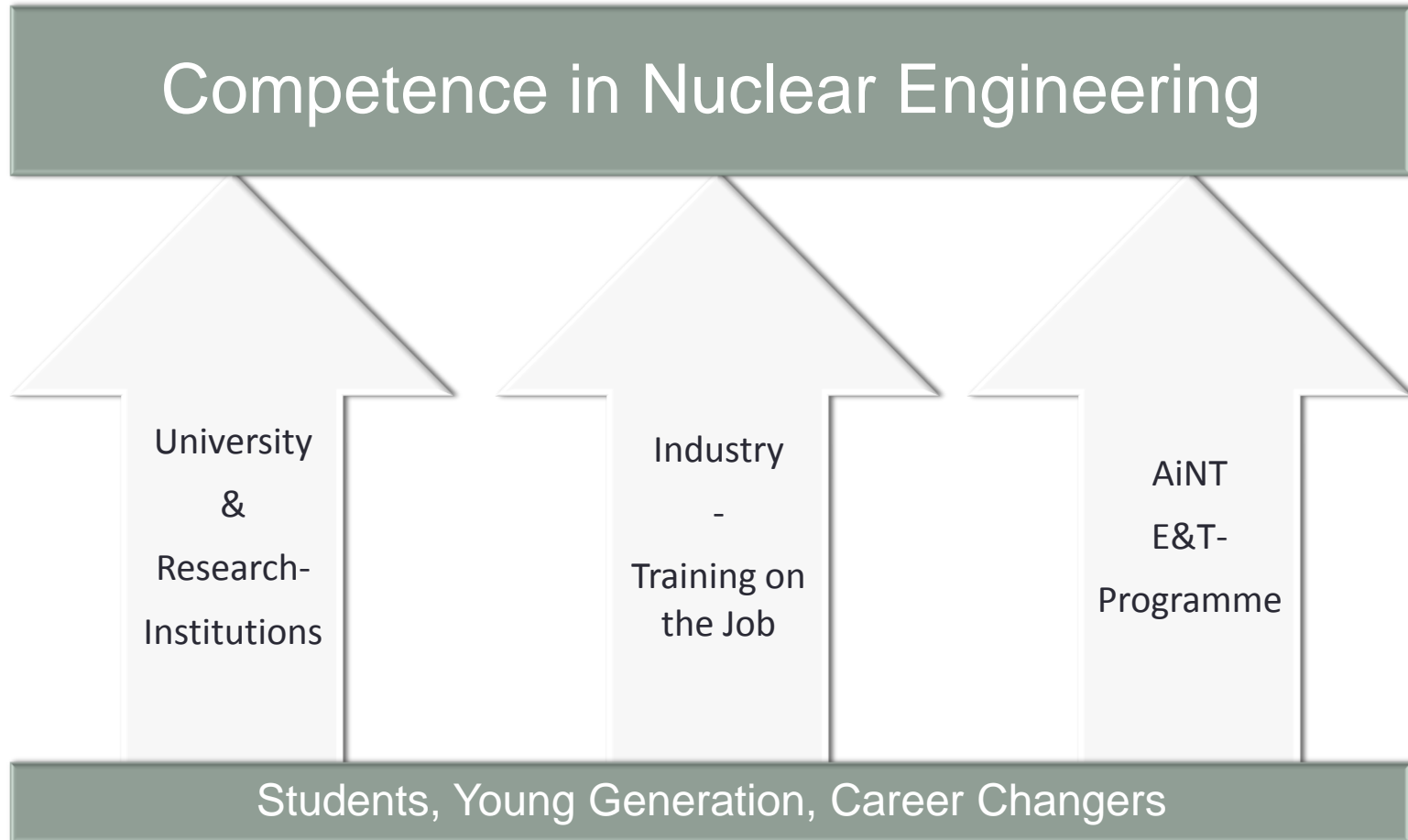


Decrease in financial support for R&D

KNOW-HOW TRANSFER



MAINTAINING & BUILD-UP OF COMPETENCES





E&T PROGRAMME

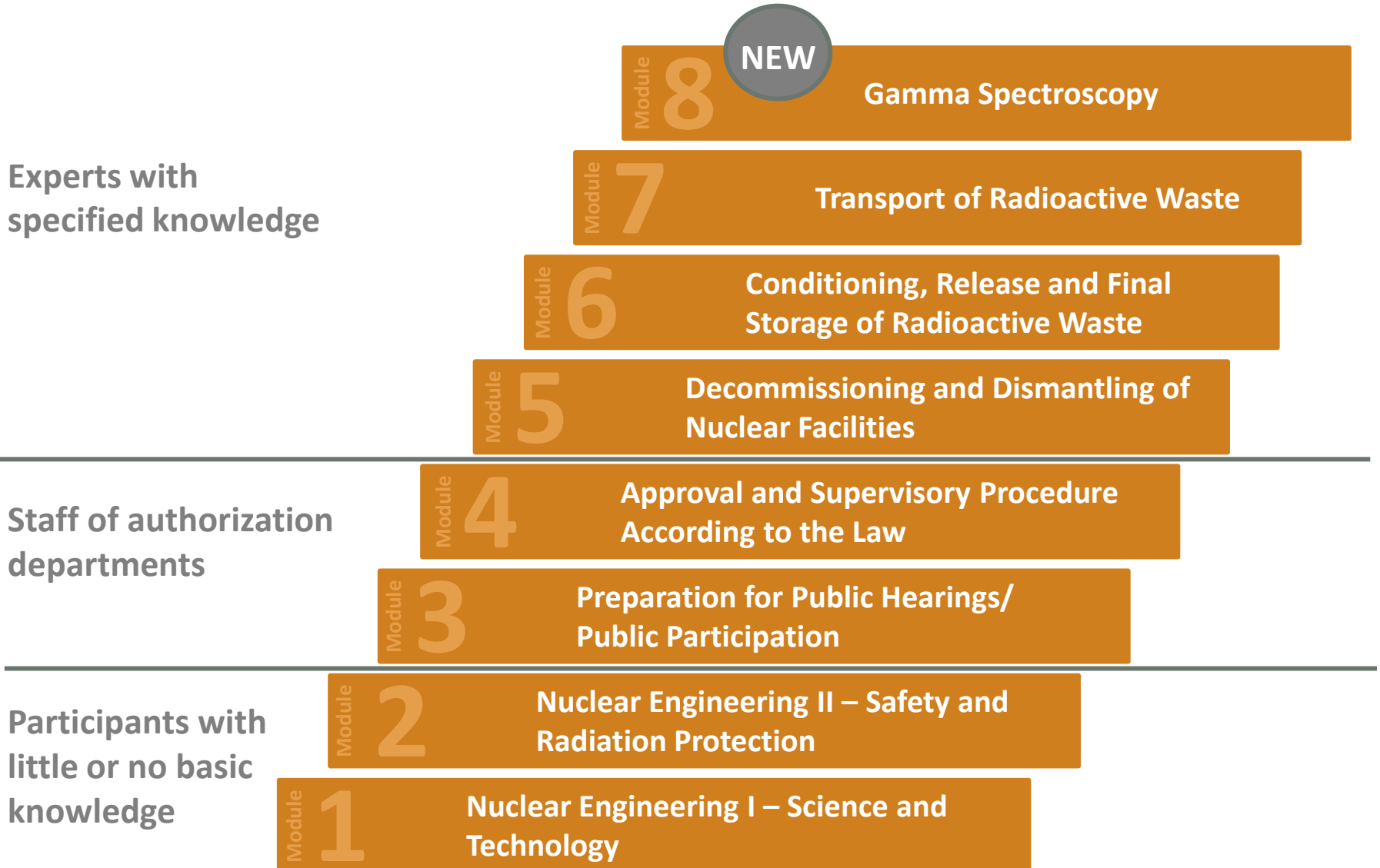
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COOPERATION PARTNERS



COURSE-MODULE-STRUCTURE



COURSE IMPRESSIONS



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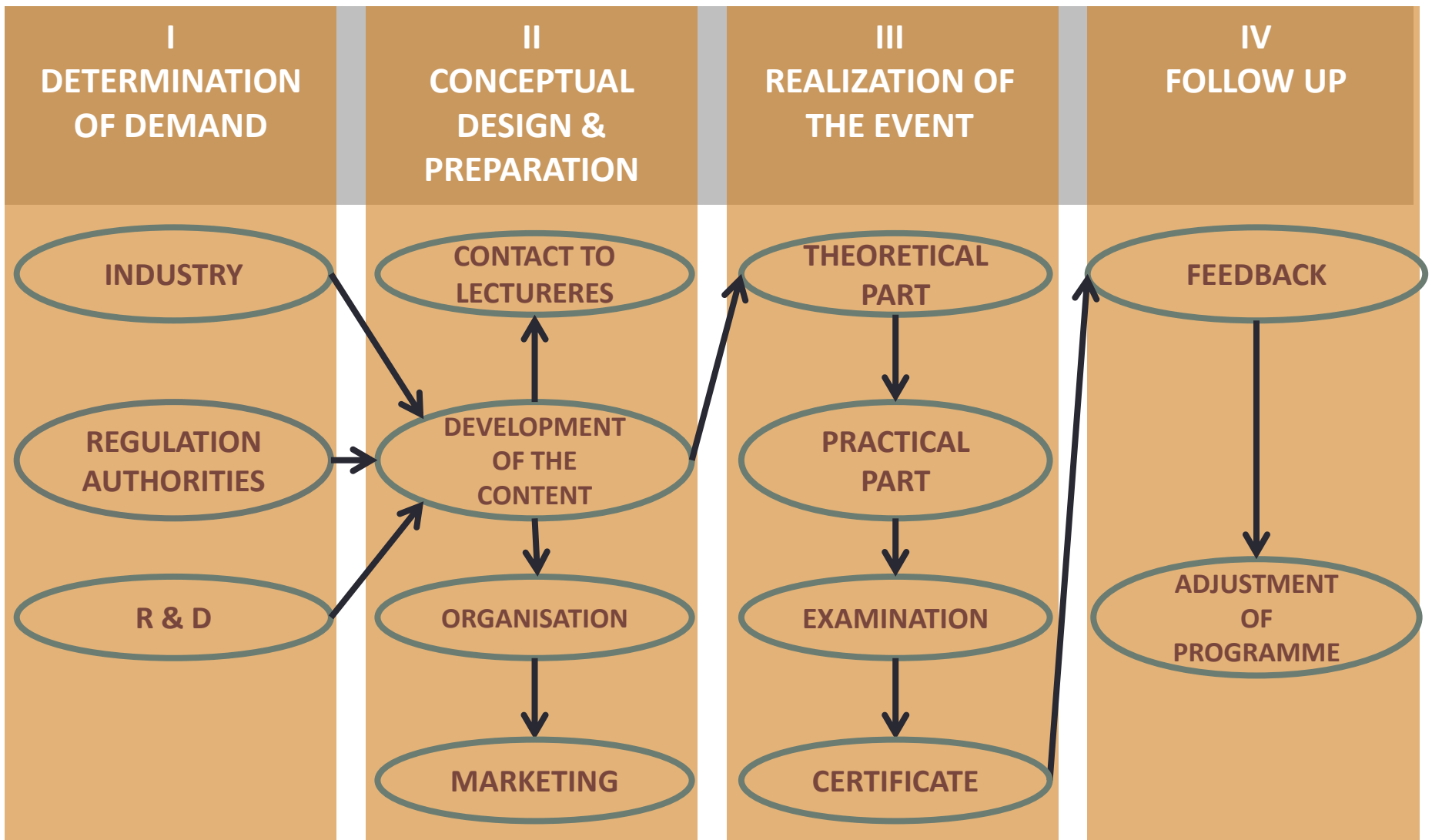
PRACTICAL TRAINING



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WORKFLOW FOR E&T



INDIVIDUAL TRAINING



- Providing customized content
- Adapted to individual skills
- Flexibility regarding time and duration
- Training on the job with existing equipment

CONFERENCES AND SYMPOSIA



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- Skill-based solution for new and experienced staff
- Pool of 65 highly qualified lecturers
- Intensive learning (2-5 days)
- Theoretical units and practical tasks
- Annual adaptation of the programme to the requirements in: technology, politics, research, law and safety regulations
- Individual training courses
- Content development and organisation of conferences

THANK YOU FOR YOUR ATTENTION!

www.nuclear-training.de

www.icond.de