



AN EXPERIENCE TO PROMOTE AND SHARE EXPERIENCES ON TRIZ

**APEIRON Association
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APEIRON

- Italian Association for Reason-based Innovation (www.apeiron-triz.org)
- Objectives
 - To spread in educational, scientific and industrial environments knowledge about systematic innovation based on TRIZ and other techniques
 - To promote and disseminate information and exchange experiences
 - To organise scientific events and training sessions
 - To set up link and collaborations, both national and international
 - To encourage schools and universities to teach systematic innovation



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WORKSHOPS

- To create an efficient link among the members discussing and sharing experiences on TRIZ
- To promote the diffusion of systematic innovation tools involving potential users ("novice" users") from industry



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WORKSHOP FORMULA

- **Duration: One day**
- **Group composed by max 5 people coordinated by a Tutor (TRIZ Expert)**
 - **Level of experience:** Medium, Basic and “Novice”
 - **Background/context:** Academia/research and industry

... typically: two people from academia, two from industry and one “novice” from an industry external to the association
- **Location**
 - **Single site in 2009**
 - **Multiple site geographically distributed in 2010**
- **An industrial case-study**



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WORKSHOP STRUCTURE

- **Presentation of participants**
- **Description of the case study by the proposer**
- **Work in parallel on the case study for each group**
- **Presentation of results reached by each group**
- **Final discussion**



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CONDUCTED EXPERIENCES

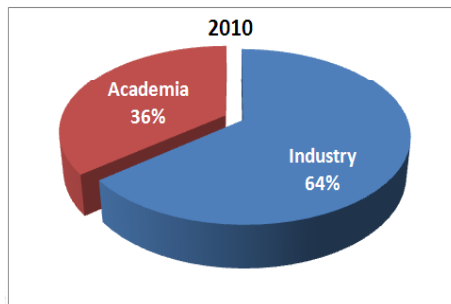
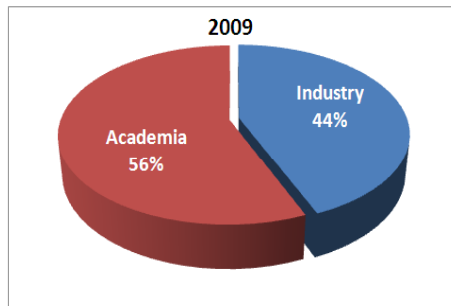
2009	2010
Single site: Milano	Multiple sites: Milano, Bergamo, and Trieste via Webconference
16 people → 4 groups	28 people → 6 groups
7 companies	12 companies
Mainly from Lombardy	From different Italian Regions
Case study: electromagnetic actuator	Case study: a sub-system of machinery for hygiene disposable products



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RESULTS OF THE EXPERIENCE



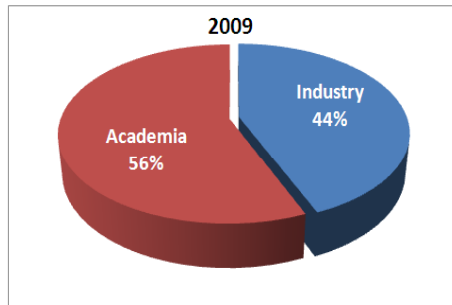
POSITIVE

- Increasing interest from industry
- New APEIRON members
- Possibility to test personally TRIZ tools on real technical problems
- A substantial overlap of the most relevant solution directions → repeatability of the TRIZ-base problem solving process

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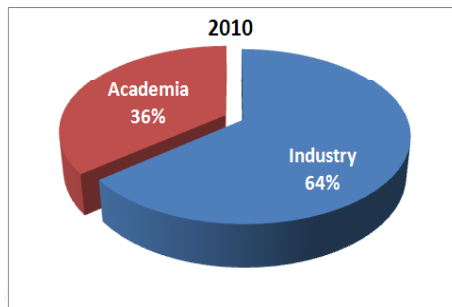


RESULTS OF THE EXPERIENCE



NEGATIVE

- Need of a preparatory phase for novice user
- Limited time for discussion



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... WHAT NEXT

- Extend number of workshops per year
- Extend the experience to other Italian Regions (e.g., Piemonte and Tuscany)
- Evaluate the possibility to extend the duration of the workshop (2 days?)

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THANKS TO

- **Tutors: Valentino Birolini, Gaetano Cascini, Francesco Saverio Frillici, Tiziano Montecchi, Daniele Regazzoni, Davide Russo and Filippo Silipigni**
- **All participants**
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