

EURO

The Association of European Operational Research Societies

THIRTIETH ANNIVERSARY

1975 - 2005

Operational Research and EURO

What is Operational Research?

What is EURO?

Achievements and Challenges

What is Operational Research? "O.R."

Operational Research (O.R.) is the discipline of applying advanced analytical methods to help make better decisions.

- Management Science
- Decision Theory
- Decision Analysis
- Decision Support Systems
- Social Choice

Where do we come from?

- From the French revolution and the industrial revolution ...
- To the Second World War (radars and enigmas)
- · Through the Information Society ...
- · To the challenge of global governance ...

What is EURO? http://www.euro-online.org

- The Association of Operational Research Societies in Europe (within IFORS).
- Established the 29th of January, 1975, in Brussels.
- Representing today more than 10000 OR practitioners and academics all around Europe.

Thanks to ...

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EURO today is 29 national societies

Austria Finland Belarus France Belgium Germany Bulgaria Greece Czech Hungary Republic Iceland Croatia Ireland Denmark Israel

Italy Spain Lithuania Sweden Netherlands Switzerland Turkey Norway Poland United Kingdom Portugal Yugoslavia Slovakia South Africa

EURO today is 27 Working Groups Examples:

EWG EUROBANKING, Special interest group in banking

EURO Working Group on Ethics

EWG Financial modelling

EWG WATT Working group on automated time tabling

EWG Group decision and negotiation support

EWG EWGLA, Location analysis

EWG HCP, Human Centered Processes

EWG PAREO, Parallel processing in operational research

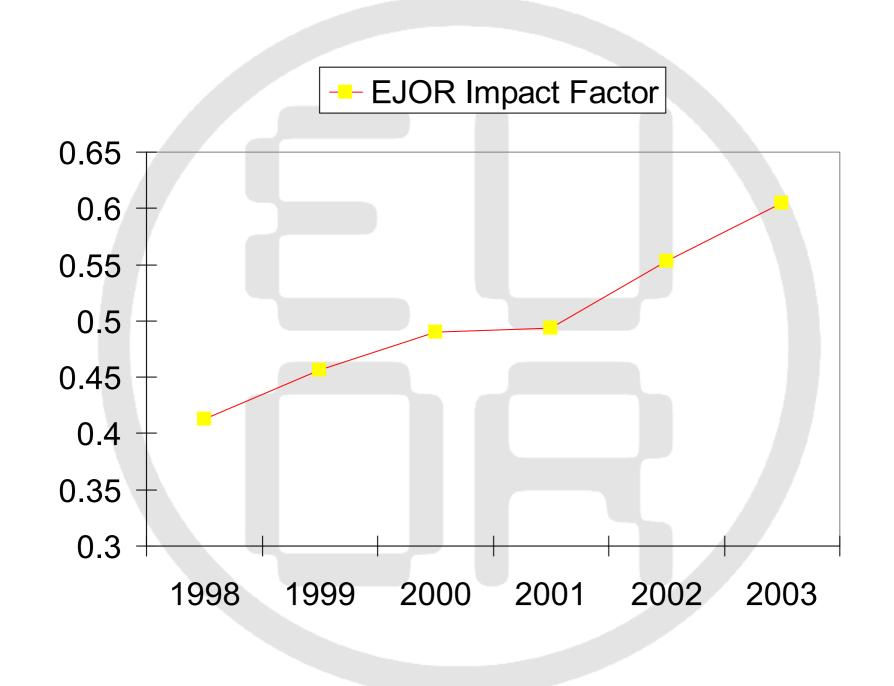
EWG DEAPM, Data envelopment analysis and performance measurement

EWG DDM, Distributed decision making

ORESICUP, EURO Special Interest Group on Cutting and Packing

European Journal of Operational Research

- Established in 1975.
- At that time: 6 issues and 200 pages annually.
- Today: 24 issues and 6000 pages annually.
- · 35% acceptance rate
- 4904 cites in 2003 (2nd worldwide)



Theoretical Achievements

- · Linear Programming and Extensions
- Combinatorial Optimisation and Graph Theory
- · Arrow's Theorem and Social Choice
- · Decision under uncertainty and risk
- · Heuristics and Complexity Theory
- Bounded Rationality
- Nash equilibrium and Game Theory

Achievements in Real Life Examples:

- Telecommunications
- Transportation and logistics
- Production management
- Energy policy
- Health care management
- Water resources

Challenges for the future

- Mobility and networks
- · Environmental Management
- · Governance
- · Humanitarian Security
- Molecular Biology
- · Algorithmic efficiency
- · e-Business and e-Government

Doing Better

The most beautiful sea hasn't been crossed yet. The most beautiful child: hasn't grown up yet. Our most beautiful days: we haven't seen yet. And the most beautiful words I wanted to tell you I haven't said yet...