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PROMETHEE-related Literature: Some Statistics

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<http://www.promethee-gaia.net>

**2nd International MCDA Workshop on
PROMETHEE: Research and Case Studies**

Presentation structure

- Introduction
- WHEN? → Timeline & Age papers
- WHERE? → Worldwide interest
- WHAT? → Fields of Application

Introduction

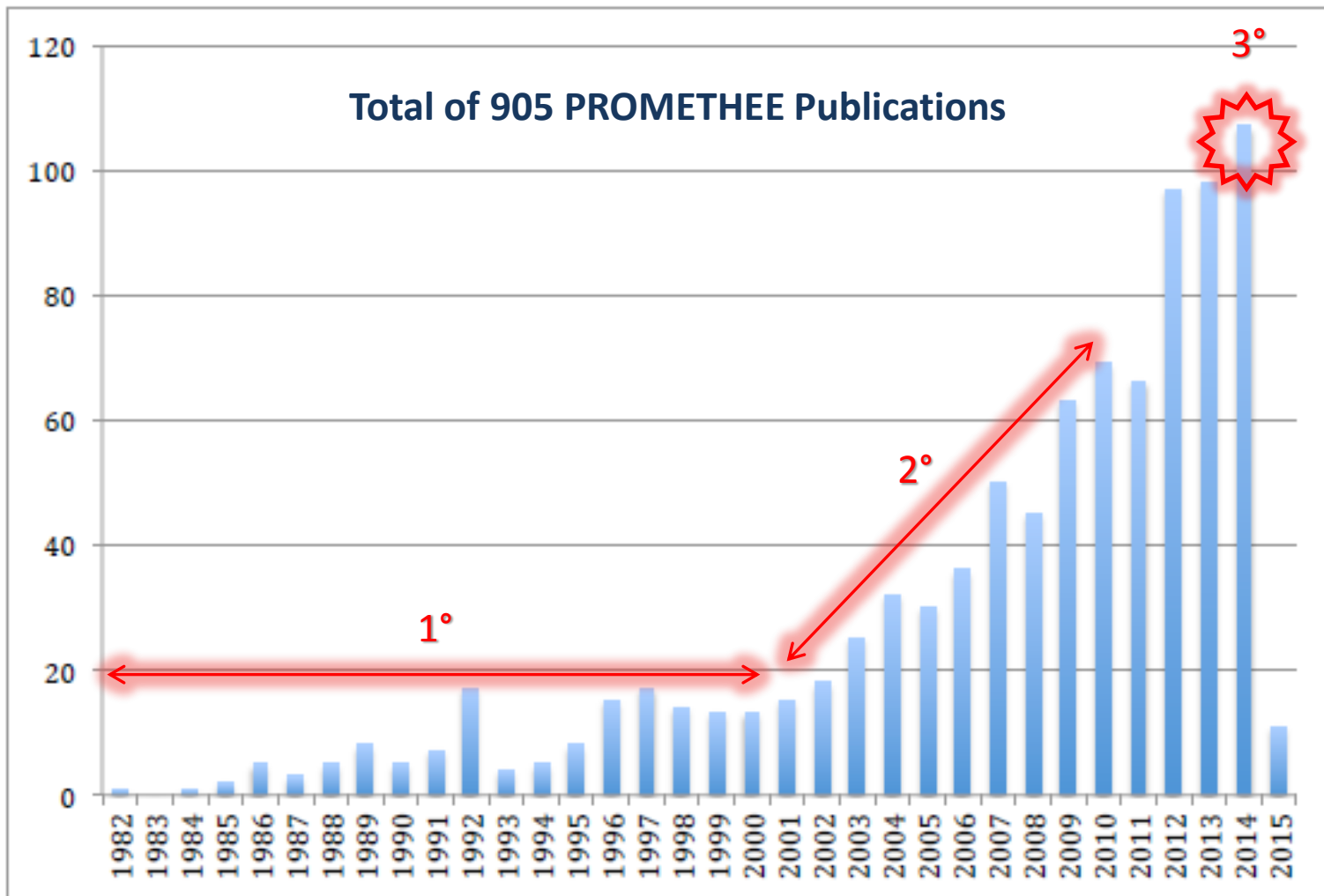
- The PROMETHEE method was introduced by Professor Jean-Pierre Brans in 1982
- Much seminal work to develop the methodology has been done in the 1980's by Professors Jean-Pierre Brans and Bertrand Mareschal
- This work was structured in two important steps:
 - a) the introduction of the GAIA descriptive analysis
 - b) the interactive software PROMCALC with the implementation of PROMETHEE-GAIA
- The PROMETHEE Bibliographical Database tracks the scientific papers related to:
 - the PROMETHEE-GAIA methodology and its
 - development
 - analysis
 - application

Introduction

- A first review of the PROMETHEE literature & applications has been published by Prof. Majid Behzadian in 2010. He analysed 217 papers classified on a category scheme
- The comprehensive review focused on scholarly journals
- The PROMETHEE Bibliographical Database review covered also non English publications and doctoral dissertations
- The state of the work begin January 2015:
 - 905 PROMETHEE publications were analysed

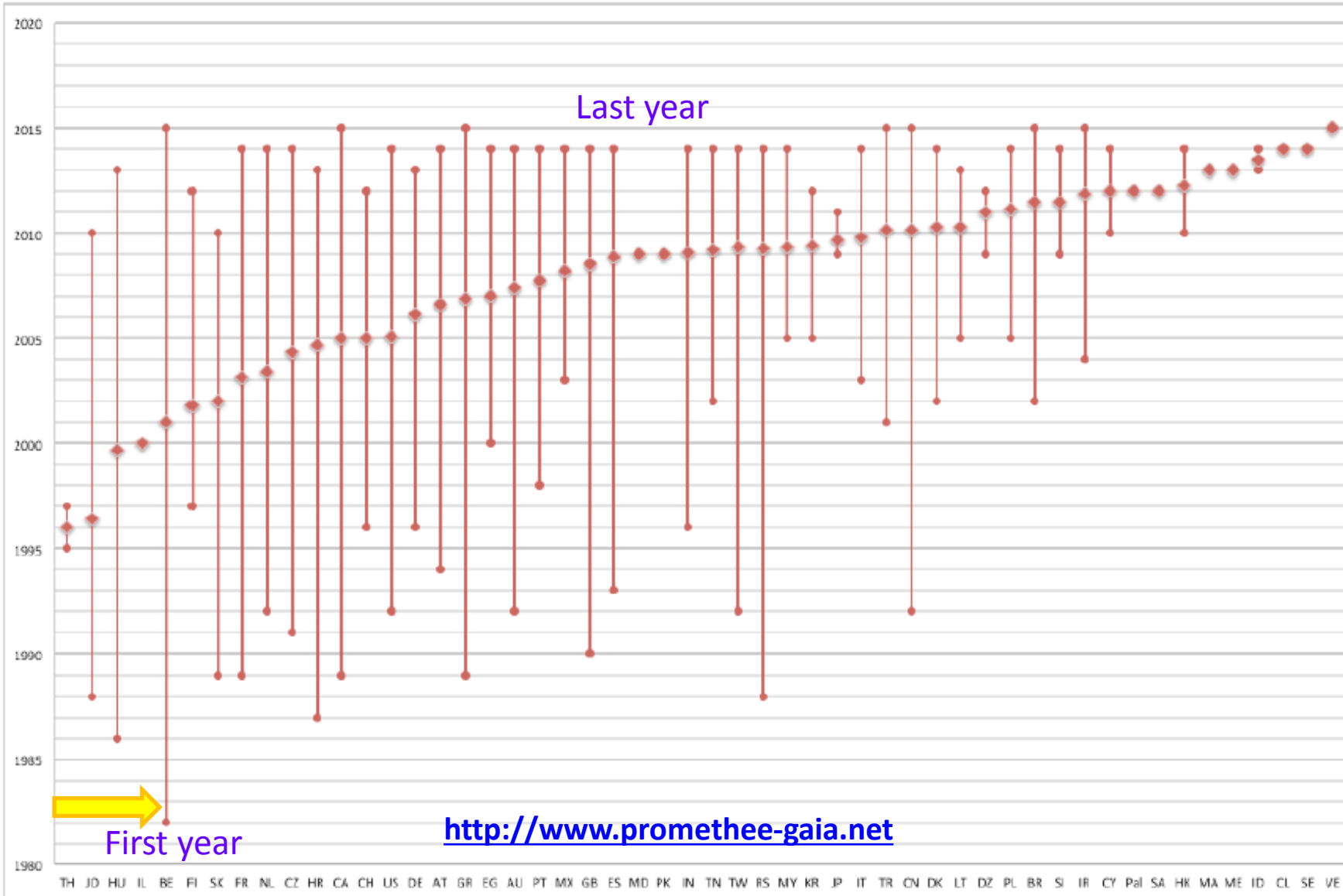
Timeline

Number of papers published per year from 1982 to January 2015



Age of papers

- Publications (min, max and average) per country and by year



Worldwide interest

Continent	Papers	Percentage
Africa	16	1,8%
Asia	284	31,4%
Europe	438	48,4%
North America	74	8,2%
South America	43	4,8%
Australia	50	5,5%

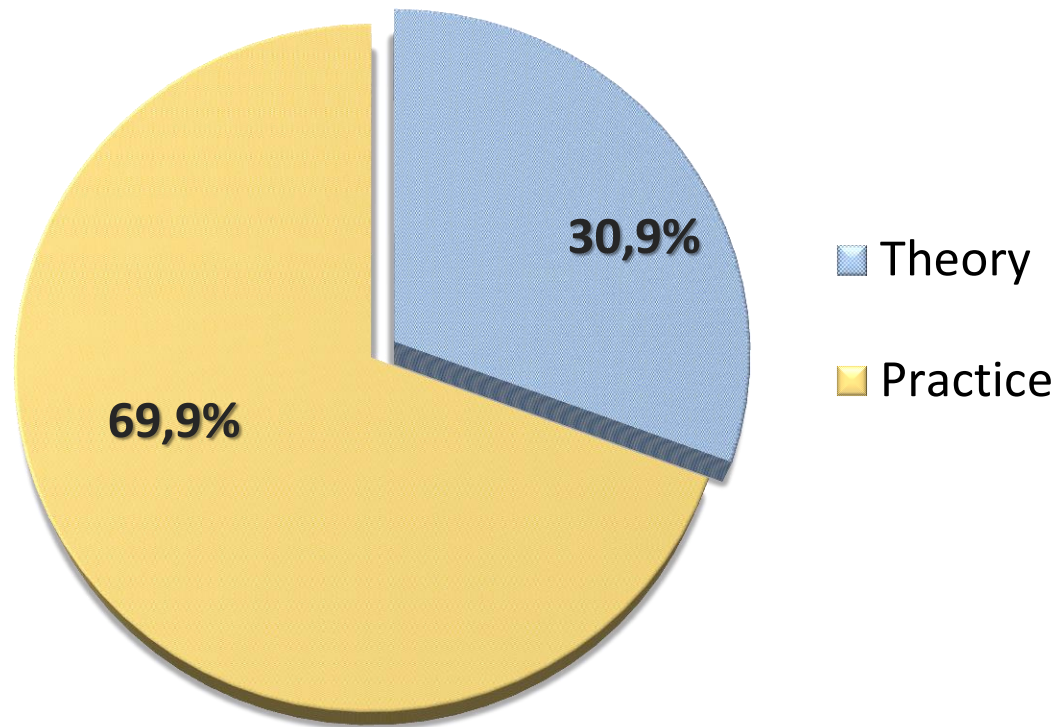
Worldwide interest

Country	Papers	Percentage
BE	109	12,0%
CN	98	10,8%
GR	59	6,5%
AU	50	5,5%
IR	48	5,3%
TR	44	4,9%
BR	41	4,5%
DE	41	4,5%
HR	41	4,5%
IN	40	4,4%
CA	37	4,1%
US	32	3,5%
GB	30	3,3%
FR	28	3,1%
RS	26	2,9%
ES	26	2,9%
TW	18	2,0%
IT	17	1,9%
PT	9	1,0%
TN	9	1,0%
MY	8	0,9%
LT	7	0,8%
PL	7	0,8%
KR	7	0,8%
AT	5	0,6%
FI	5	0,6%

Country	Papers	Percentage
JO	5	0,6%
MX	5	0,6%
NL	5	0,6%
DK	4	0,4%
HK	4	0,4%
CH	4	0,4%
CZ	3	0,3%
HU	3	0,3%
JP	3	0,3%
SK	3	0,3%
DZ	3	0,3%
CY	2	0,2%
EG	2	0,2%
SI	2	0,2%
TH	2	0,2%
ID	2	0,2%
CL	1	0,1%
GH	1	0,1%
IL	1	0,1%
MA	1	0,1%
MD	1	0,1%
ME	1	0,1%
PaI	1	0,1%
PK	1	0,1%
SA	1	0,1%
SE	1	0,1%
VE	1	0,1%

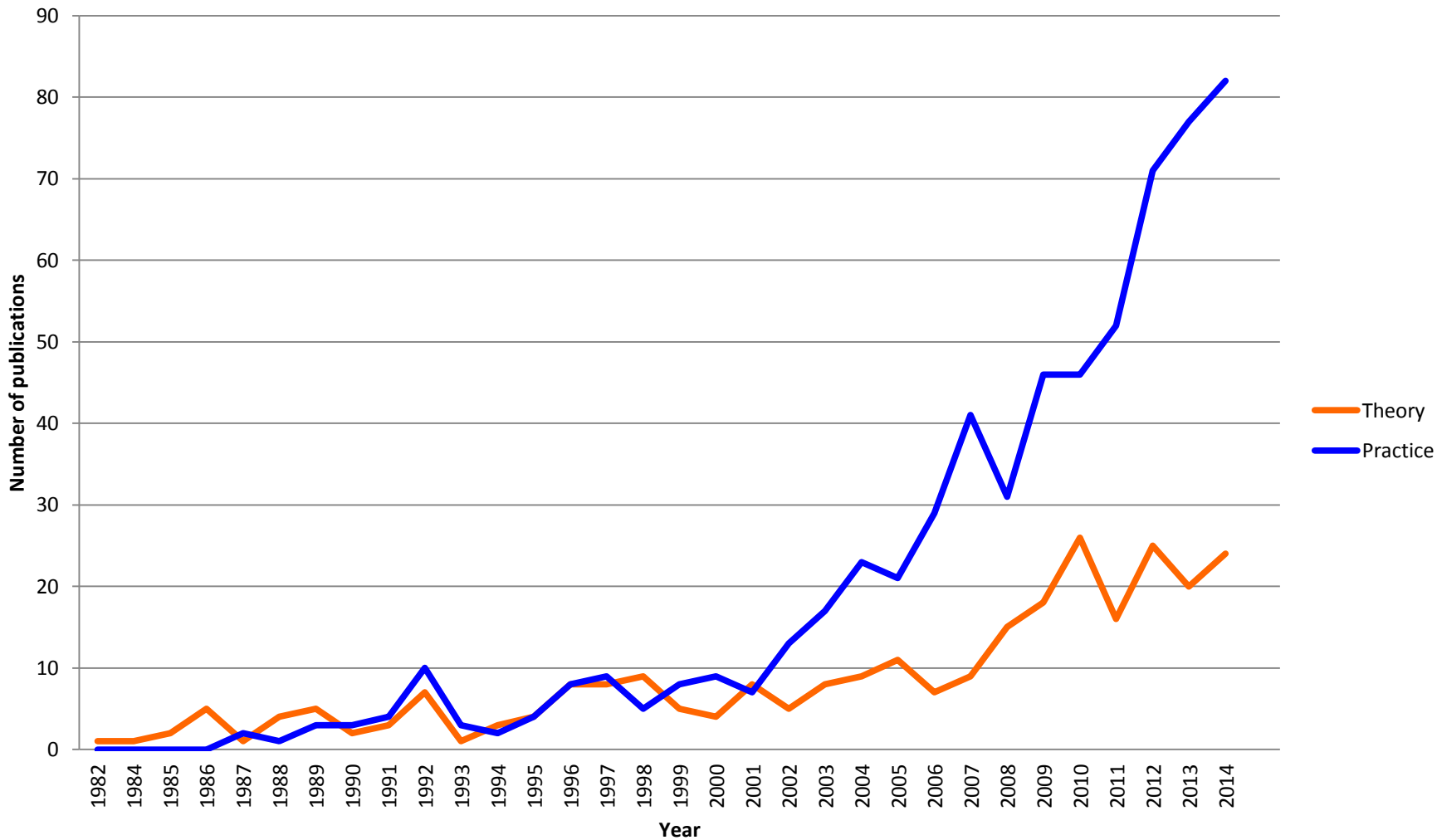
Fields of Application

Distribution of PROMETHEE publications: Theory versus Practice



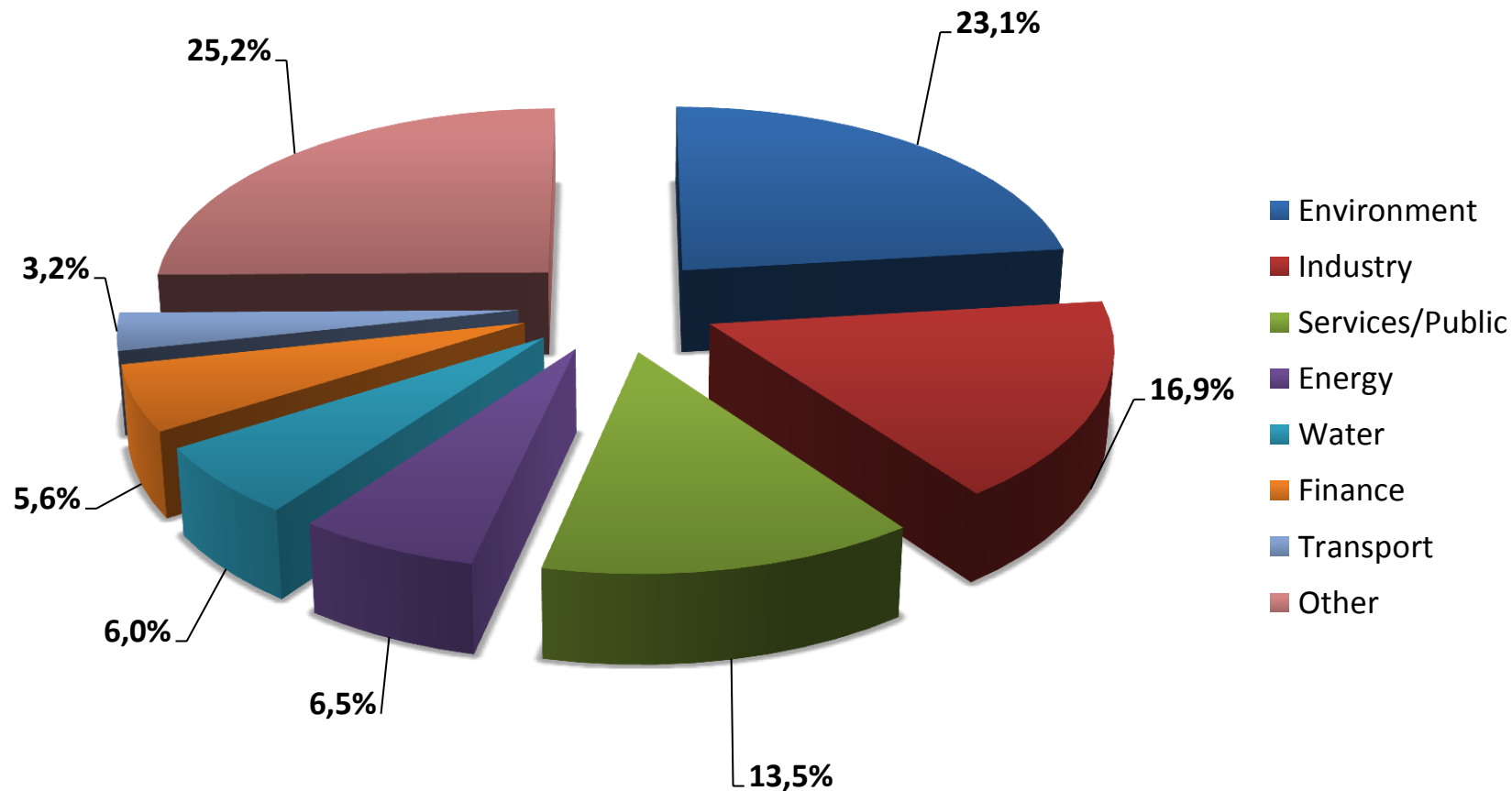
Fields of Application

Distribution of PROMETHEE publications: Theory versus Practice



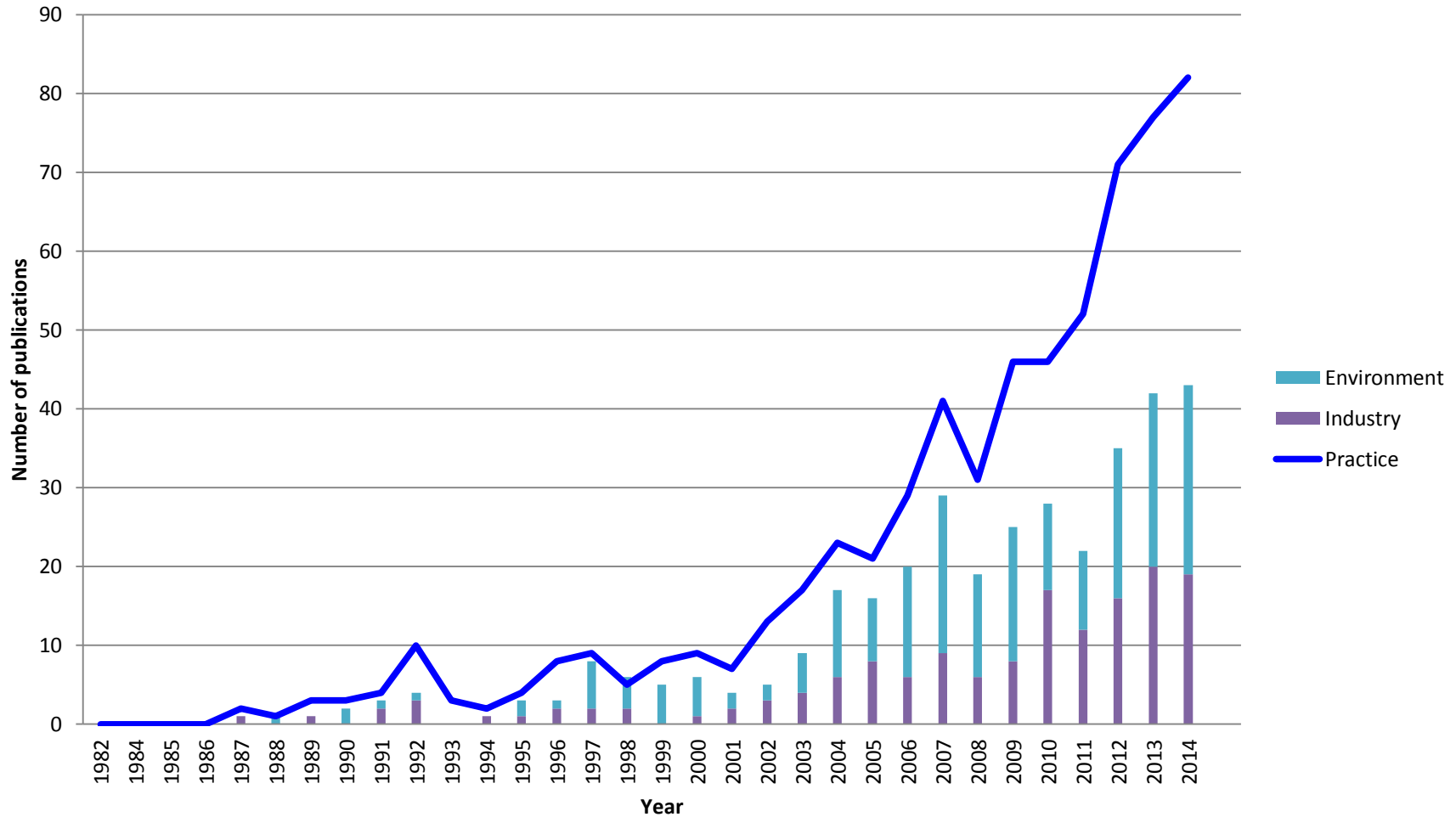
Fields of Application

Distribution of PROMETHEE publications per category

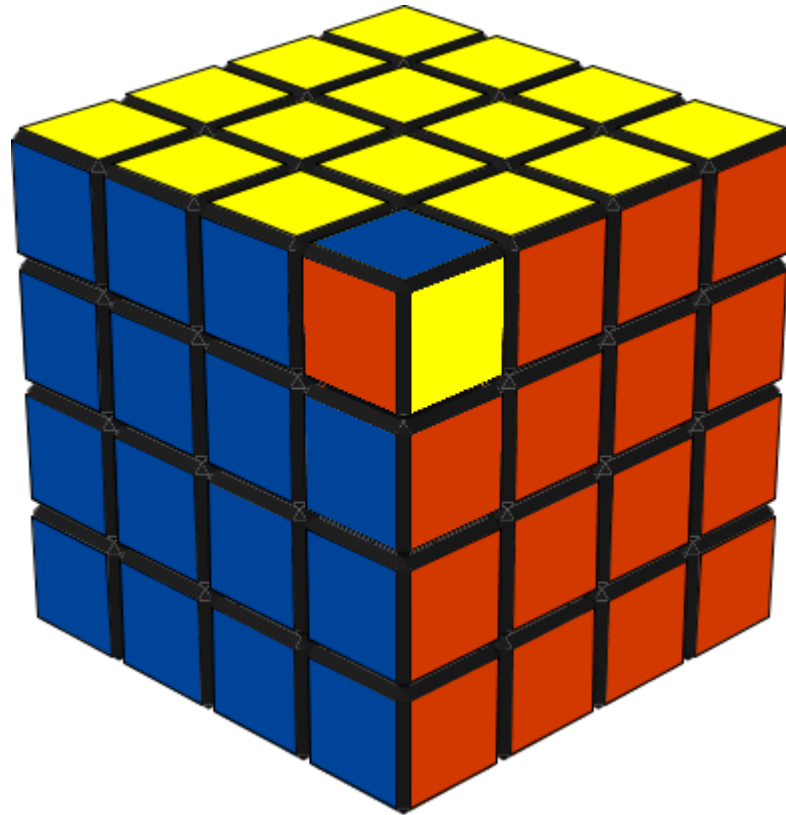


Fields of Application

Distribution of PROMETHEE publications: Environment and Industry versus Practice



Do you want to support a robust compromise solution?



Then use



PROMETHEE
METHODS

<http://www.promethee-gaia.net>

Source picture: <http://www.kubologie.de/4-wuerfel/seminararbeit-4w>

Thank you for your attention



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