

LAMSADE: the last 5 years

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HCERES, 23/10/2017

Outline

- 1 Facts and Thoughts
- 2 SWOT
- 3 Conclusions

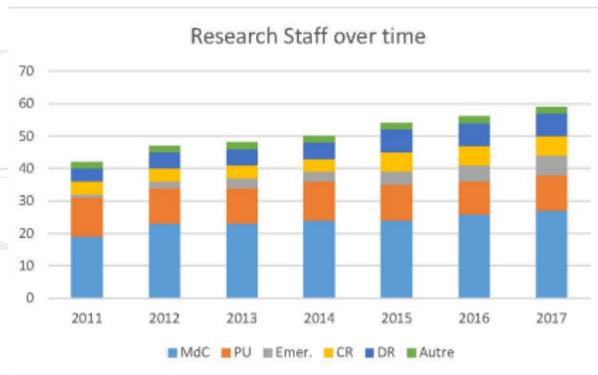
Decision Sciences and Technologies

We do research for:

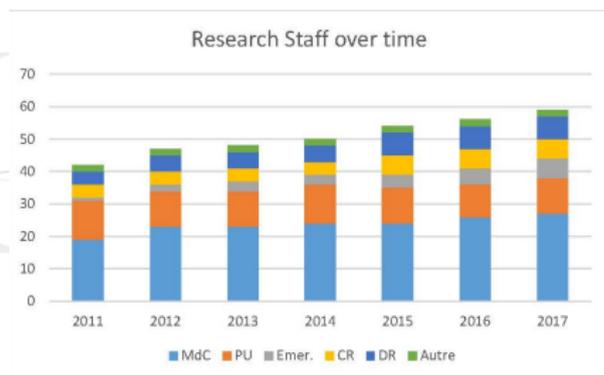
Improving how people and devices “decide” as well as improving how to help people and devices to “decide”.

- Data, Information and Knowledge
- Algorithms and Agents
- Models, Languages, Theories
- Practices

Who are we?

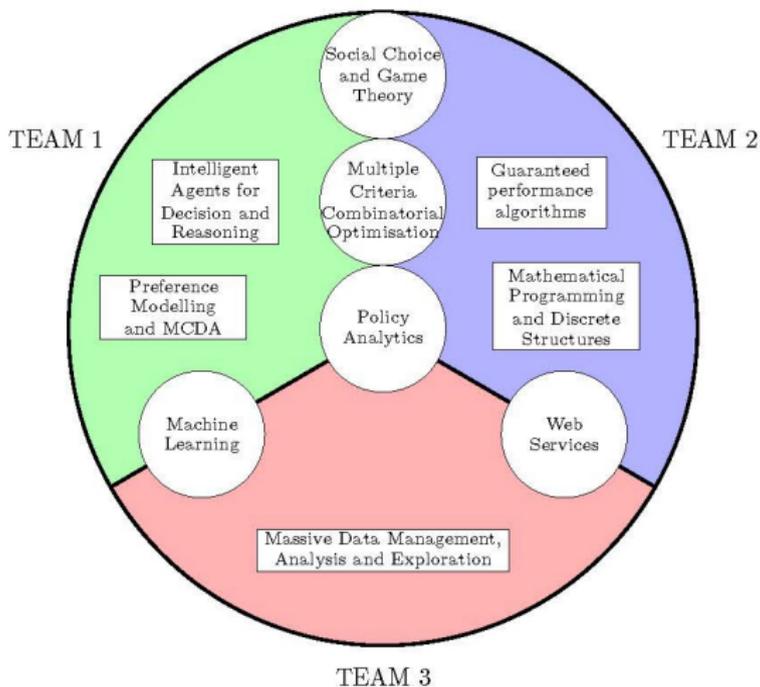


Who are we?



- 2011: 43 researchers, 30 PhD, 5 staff
- 2016: 56 researchers, 40 PhD, 5 staff
- 13 nationalities, 18 considering the PhDs
- 40% women, 40% international

Organisation



LAMSADE in Dauphine

Management Science
Policy Analytics
LAMSADE
Peace Studies
Economics and Decision
Game Theory
Data Sciences

LAMSADE in Dauphine

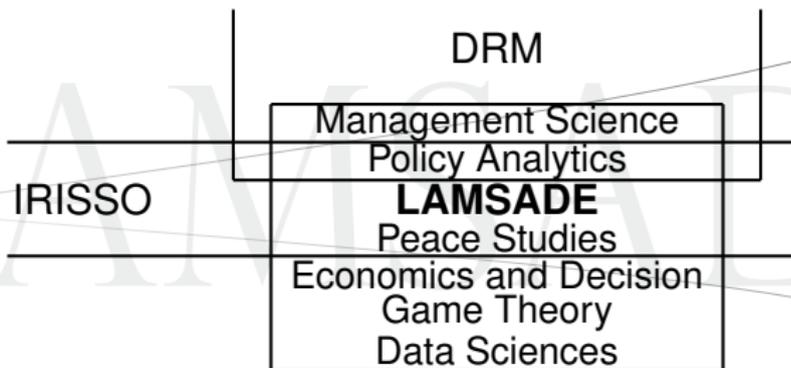
DRM

Management Science
Policy Analytics

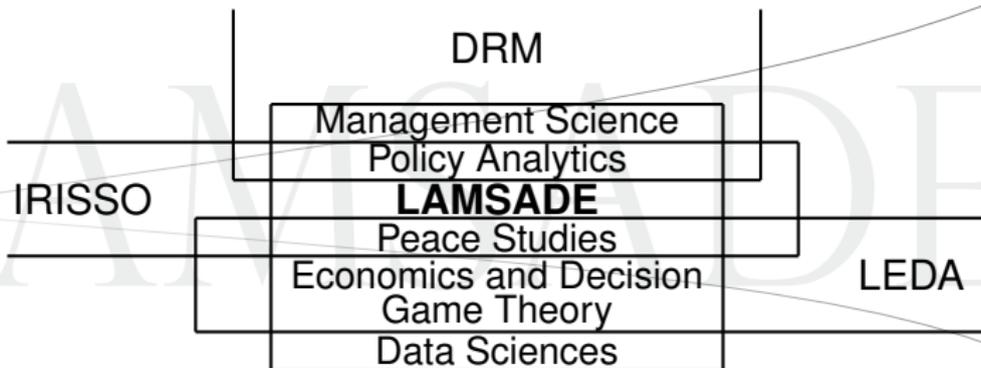
LAMSADE

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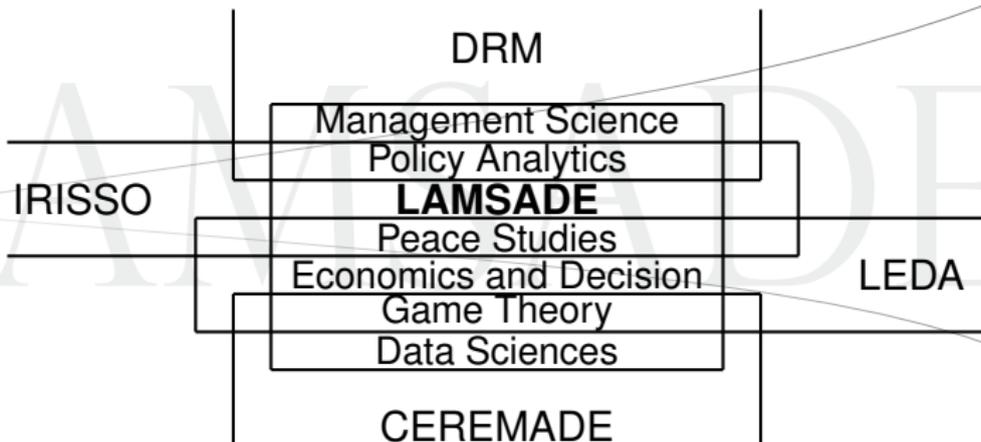
LAMSADE in Dauphine



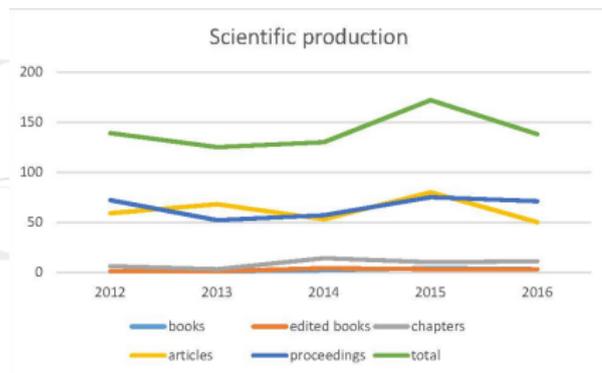
LAMSADE in Dauphine



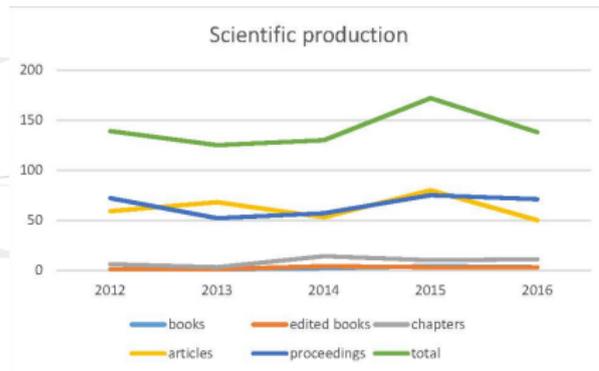
LAMSADE in Dauphine



Science



Science

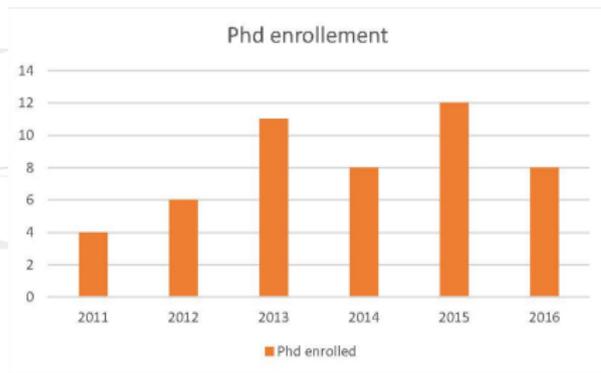


- 3 papers/person/year
- Improved Quality
- Nice results
- Community leaders
- Attractiveness

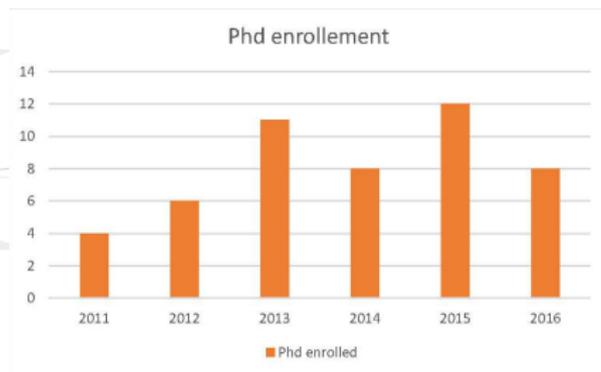
Examples of science

- Axiomatisation of bibliometric indices
- Handbook of Computational Social Choice
- Formal framework for super-polynomial approximation
- Improving the quality of Lovász theta functions
- New methods for “preferred solutions” in multi-objective optimisation
- Reducing costs of data integration
- Improved machine learning algorithms
- monograph/book on process analytics, new models and complexity analysis for service selection and composition problem

PhDs



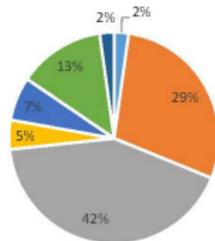
PhDs



- established rules for allocations
- international recrutement
- returned to an average 10 per year
- 3,9 years average duration

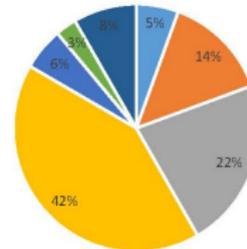
PhD funding and jobs

Phd Funding



■ ANR ■ CIFRE ■ MESR ■ PSL ■ LAMSADE ■ ETRANGER ■ AUTRE

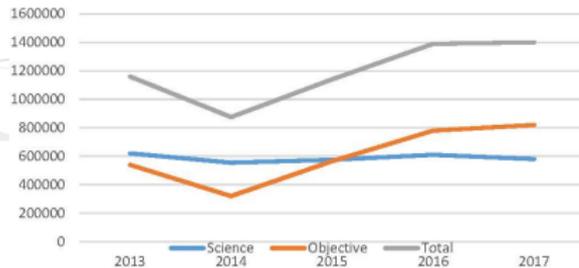
Job destination



■ MdC ■ MdC-E ■ Post-doc ■ IR ■ Ens. ■ Ent. ■ Autre

Funding

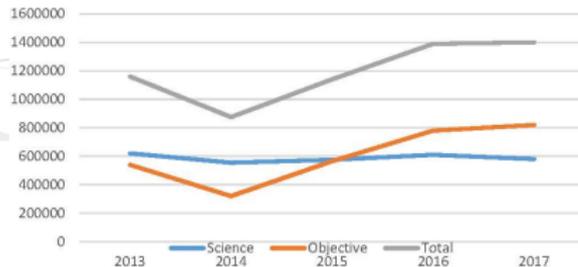
Science Driven vs Objective Driven Funding



ADE

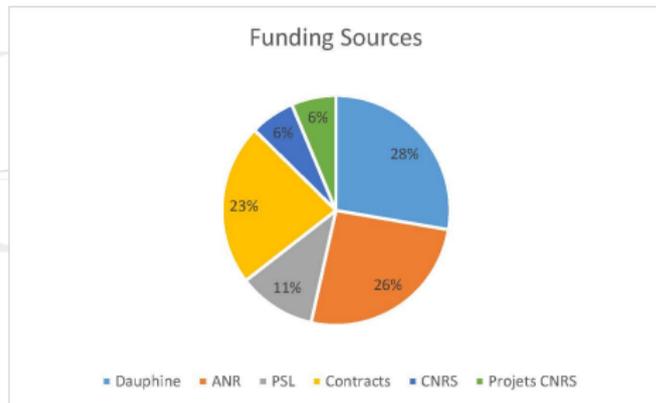
Funding

Science Driven vs Objective Driven Funding

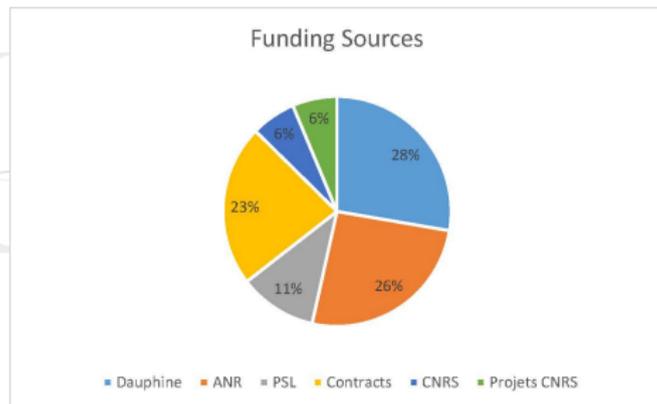


- Good financial results
- Autonomous creative management
- Worrying trend
- Good science is not awarding
- Good selling and lobbying is awarding

Fund raising



Fund raising



Our Partners

- RENAULT, Orange, SNCF, DCNS, Sagem ...
- Decision Brain, Coheris, Meta-Conseil, Agilab, Treize 37 ...
- Lyon Hospitals, Cour des Comptes, Conseil d'État, CGEDD, IHEDN, HAS, INERIS, IRSN, IRSTEA ...

Training

- Doctoral School
- MIDO: 2 research programs in Decision Sciences and Intelligent Systems and 3 Professional programs in Computer Science/Analytics/Business
- MSO: 2 Professional programs in Management of Information Systems and Peace Studies
- LSO: Computer Science for all ...

So what?

Strengths

Attractiveness

Clear Identity

Clear Rules

Community Leadership

Good Science

Interdisciplinarity

Internationalisation

Reputation

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Low risk taking

Visibility and autonomy
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PSL PIA2/PIA3

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PSL PIA2/PIA3

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Threats

Job careers

Private Research Competitors

PSL and Computer Science

Research Funding

Remarquable Facts

- 2014: 40 years of LAMSADE
- 2015: 3rd area of LAMSADE; Data Sciences
- 2016: EURO awards and AAMAS Best paper award
- 2017: Bronze and Silver CNRS Medals
- Interdisciplinarity
- Increased visibility

Conclusions

- We are doing fair ...
- We can do much better ...
- But the system is not sustainable ...

Thanks

LAMSADE

Thanks

LAMSADE

to Eric Jaquet-Lagrèze
Founding member, pioneer and friend (1947 - 2017)