ACP SUB-COMMITTEE FOR STRATEGIC PLANNING

Preliminary strategic document
ACP

- International representative body for CP researchers
  - CP conference (since 1995)
  - Summer school (since 2005)
  - Doctoral program (since 2001)

- Awards
  - Research excellence (since 2005)
  - Doctoral (since 2008)
  - Distinguished service (since 2010)
Why a strategic planning committee?

- To ensure the CP community takes full advantage of the many lines of research, to maximize impact on science and society
- Overall strategic plan
- EC appointed a committee on strategic planning
Main goals

- Reflect upon achievements to date
- Identify a core mission
- Define values and objectives for the future
- Develop a strategy to help The CP community to achieve them
- Propose metrics to measure performance towards objectives
- Produce a reference document

All in consultation with the CP community
Members of the committee

- Proposers/organizers
  - Francesca Rossi
  - Barry O’Sullivan
  - Pascal Van Hentenryck
- EC representative
  - Pierre Flener
- Other members
  - Michela Milano
  - Christine Solnon
  - Mike Trick
  - Toby Walsh
Timeframe

- EC establishing committee in Q4 2013
  - Announced to the whole ACP membership at start of 2014
- Committee formed and discussion in March-May 2014
- Discussion and consultation with CP community in April-May 2014
- Presentation of state of the discussion at CPAIOR 2014
- Community feedback and additional discussion within committee in June-July-August 2014
- Final report at CP 2014
Starting point

- Core mission
  - To promote the CP community, increase impact in other disciplines and in industry

- Status quo
  - Conference
    - Narrowing scope every year (very multi-disciplinary at the start, now mostly core, safe, incremental work)
    - Almost no companies present
    - Acceptance rate lowered over the years
    - Applications under-represented
  - Journal
    - Struggling to attract many good submissions and having a high enough impact factor
Objectives

- Conference submissions and attendance from academia and industry to increase
- Status of journal to rise
- Constraints to have wider application
Strategies to achieve objectives

- **Conference**
  - Poster track
  - Multi-disciplinary track with a separate open-minded PC
  - Application track (with suitable reviewing criteria)
  - Expand to constraint/decision analytics?
  - Colocations (SAT, FLOC, ML, …)
  - Workshops on application areas (smart cities, computational sustainability, …)
  - Better coordination between CP and CPAIOR

- **Journal**
  - Solicit EB members and all CP researchers to submit papers

- **ACP website**
  - Collection of PhD theses

- **Applications**
  - Prestigious application prize (David Waltz? In the style of the Edelman award of OR?)

- **Education**
  - Promote teaching of CP in master/PhD programs in universities and business schools
Metrics to check progress

- Number of conference submissions (posters/papers/multi-disciplinary/applications)
- Number of conference delegates (academic/industry)
- Number of journal submissions
- Impact factor of journal
- Number of CP courses in universities
- Number of PhD thesis in CP
More feedback needed

- A questionnaire was opened prior to CPAIOR 2014
  - Little feedback to base any decision on it
  - Will be extended and reopened, to achieve a better assessment of the state of the community
- Also on current proposal for
  - Objectives
  - Strategies
  - Metrics