

COST Action IC1205

2012 | 2016

# Computational Social Choice

## Objectives

- To apply the methods of Computer Science to the study of social choice so as to arrive at a clear understanding of the collective decision making procedures required to serve new technological challenges, in which computational concerns take centre stage.
- To use insights from Social Choice Theory to derive better models of distributed ICT systems in which autonomous entities, endowed with individual incentives and varying capabilities, can interact, in both cooperative and competitive environments.
- To create a strong network of researchers in Europe that can tackle the challenge of developing and analysing methods for collective decision making and that extends beyond the classical disciplinary boundaries of Computer Science and Economics.
- To establish an inclusive research community for Computational Social Choice in Europe that creates opportunities for early-stage researchers, that includes scientists from a wide range of European countries, and that actively promotes gender balance.

## Working Groups

- WG 1: Voting and Elections
- WG 2: Fair Division
- WG 3: Information Merging
- WG 4: Matching Mechanisms

## Main Achievements

- Successfully launched the Action with a major scientific meeting involving representatives of all four working groups in April 2013 in Oxford.
- Achieved high visibility early on, as witnessed by large numbers of applications received for both the Action's STSM programme and for its Summer School on Matching Problems, Markets and Mechanisms, to be held in June 2013 in Budapest.
- Established contacts with the research and development departments of several key high-tech companies.
- Organised an exchange of ideas with two previous COST Actions: with IC0701 there are common interests on formal verification of voting procedures and with IC0801 there are common interests on collective decision making in multiagent systems.

## Gender Balance and Early-Stage Researchers

- Objectives: To actively support early-stage researchers and to ensure a strong representation of female researchers in the leadership of the Action.
- Status: 21% of individuals currently involved in the Action are female and 32% are early-stage researchers. 24% of the Management Committee members are female. 43% of the Steering Committee members are female.
- Foreseen Support Measures: To continue to encourage both female researchers and early-stage researchers to participate in all activities of the Action.

## Dissemination

- The Action seeks to reach the scientific community, representatives of industries, and policy makers. The main instrument for dissemination will be the Action website.

[www.cost.eu/ict](http://www.cost.eu/ict)**Information and Communication Technologies (ICT)****Participating Countries: 30**

AT, BE, CH, CY, CZ, DE, DK, EE, EL, ES, FI, FR, HR, HU, IE, IL, IT, LU, MK, MT, NL, NO, PL, PT, RO, RS, SI, SK, SE, UK

**International Collaboration**

AU, NZ, ZA, RU, US, SG

## Contact Details

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