

# COST Action IC1205 on Computational Social Choice: STSM Report

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Home institution: University of Novi Sad, Faculty of Agriculture

Home country: Serbia

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During my visit to the University of Novi Sad, and continuing from work discussed on previous Bojan Srdjevic's STSM in Coimbra, we worked on describing and defining the following subjects:

1. We discussed different artifacts of group knowledge eliciting, particularly focusing on consistency measures of individual and group evaluation, mainly AHP consistency measures and assessing evaluation from groups of experts; to further this topic we started defining a work proposal for measuring elicited preferences inconsistency, using both published literature and locally-generated data;
2. Dealing with real-life constraints to reaching collective decisions such as individual inconsistencies and recognition (or lack of recognition) of consistent majorities. We discussed previous work (both from our research groups and from elsewhere) that addressed this problematic, and tried to explore mechanisms for first identifying and later measuring such cases. We also referred to previous behavioral economics research on individual or group decision biases, and its implications on reaching consensus;
3. We completed and formalized an application to a Portuguese and Serbian funded cooperation project which includes judgement aggregation among its topics.

During the STSM I also presented my work to members of the research team at the University of Novi Sad, and we tried to discuss the role and applicability of integrating social choice and multi-criteria methods and software tools in supporting individual and group decision making.

We also explored further opportunities for cooperation and especially establishing effective exchange of knowledge in a broader scope on the following years (beyond the cooperation project proposal).

I thank the COST Action IC1205 for the opportunity to make this visit.