

## WG 4 Workshop: Motivation of participants in Citizen Science projects

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**Date:** 14/03/2018 – 15/03/2018

**Location:** Mykolas Romeris University, Vilnius, Lithuania

**Hosts:** Assaf Shwartz and Liat Levontin

### Participants:

Name	Institution	Country	Email
Ana Rotter	National Institute of Biology	Slovenia	ana.Rotter@nib.si
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Assaf Shwartz	Technion – Israel Institute of Technology	Israel	shwartz@technion.ac.il
Egle Marija Ramanauskaite	Human Computation Institute (US)	Lithuania	emramanauskaite@gmail.com
Hannah Grist	Scottish Association for Marine Science	Scotland	hannah.grist@sams.ac.uk
Liat Levontin	Technion – Israel Institute of Technology	Israel	levontin@technion.ac.il
Loreta Tauginienė	Mykolas Romeris University	Lithuania	lotaugi@mruni.eu
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Silvia Winter	University of Natural Resources and Life Sciences Vienna	Austria	silvia.winter@boku.ac.at
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Arminas Varanauskas	Knowledge Economy Forum	Lithuania	arminas@zef.lt

### Workshops:

#### Day 1 14.03.18

We started the first day with an introduction and the creation of psychological contract. Participants introduced themselves, their citizen science projects, and their expectations from the workshop (see Annex 1: three presentations as separate files).

We then had three short presentations.

1. Arminas Varanauskas presented a project called CIMULACT, in which citizens participated in workshops about the future of Europe (Horizon 2020). His conclusion for recruitment was that it is important to have a clear goal and scope regarding the target group, with clear criteria (e.g., gender, region). Arminas also discussed ways to remove barriers for the citizens and emphasized the cruciality of the matter. For example, it is important to consider issues such as organizing transport, cost reimbursement, and giving feedback.
2. Hannah Grist presented a citizen science project called "Capturing the Coast" which deals with marine biodiversity in the UK coast. Since the beginning of the project, more than 5000 individuals

registered, and more than 3000 were trained. They are interested in the motivation of their participants and how to maintain their pool of volunteers in the future.

3. Simon Etter talked about the CrowdWater project that examines whether citizens can observe what models need. In many countries there is a low budget for measurements' infrastructure. The researchers explore whether it is possible to get good measurements from citizens using an app. They are now trying to gamify the app and to see if it could increase the number of volunteers.

Next, Liat Levontin gave a presentation about motivation – its definition as a process and the types of motivations (i.e., change, cooperation, competition and conservation). Liat explained basic motivation theories – Maslow's, Vroom's, and Locke & Latham's theories.

The hands-on part of the workshop then began. The goal of this part was to get a feeling of the process of building a CS motivation questionnaire. Participants worked in teams and went over some of the database of relevant papers and harvested motivation items from the papers. Following, Liat presented the top-down motivation theory and its categories based on Schwartz's personal values theory. Liat explained how to categorize the items according to Schwartz's categories. In the second hands-on part, each team grouped their previously harvested items into categories.

### *Day 2 15.03.18*

First, teams received feedback about their categorization work. Then, in two groups, participants used the feedback to enrich and improve their categorizations.

Next, Liat demonstrated how to create questionnaire items from the categorized harvested items, e.g., how to create a few questionnaire items that well represent the many harvested items. Following, the groups practiced this process. Next, participants evaluated the complete questionnaire, and discussed the similarities and differences between the items in the questionnaire and the items created by the teams. To conclude the workshop, we discussed best ways to use the questionnaire to collect data. We also discussed cultural and language differences and the need to modify the items for different languages and different projects. Liat also recommended a way to translate the questionnaire using reverse translation by 3 judges with proficient level in both languages.

Workshop dissemination enclosed (see Annex 2)

## Annex 2:

- 1 Link to the participant's blog –  
<https://seplute.tumblr.com/post/171899676970/just-attended-workshop-on-studying-citizen>
- 2 Snapshot from Mykolas Romeris University website



The screenshot shows a web browser window displaying a news article on the MRU website. The browser's address bar shows the URL: [www.mruni.eu/lt/naujienos/detail.php/mru-lab'e-tarptautines-diskusijos-apie-pilieciu-isitrukima-i-i-mokslinius-tyrimus/242029#.WqrRN6huZdg](http://www.mruni.eu/lt/naujienos/detail.php/mru-lab'e-tarptautines-diskusijos-apie-pilieciu-isitrukima-i-i-mokslinius-tyrimus/242029#.WqrRN6huZdg). The article title is "KONFERENCIJOS, SEMINARAI, PASKAITOS" and the date is "2018-03-15". The main heading is "MRU LAB'e - tarptautinės diskusijos apie piliečių įsitraukimą į mokslinius tyrimus". A photograph shows a group of people in a meeting. The text describes a workshop held at MRU LAB on March 14-15, 2018, involving researchers and doctoral students from Israel, Sweden, the Netherlands, Austria, and Slovenia. The workshop was part of the COST program project "Citizen Science to promote creativity, scientific literacy, and innovation throughout Europe (CA15212)". The project is coordinated by Dr. Katrin Leibnico at the Leibniz Institute of Evolutionary and Biological Sciences. The project manager is Dr. Loreta Tauginienė (MRU) and the project coordinator is Dr. Eglė Butkevičienė (KTU).

**KATEGORIJOS**

- Lietuvos universitetų tinklo pertvarka
- Renginiai ir įvykiai
- Vasaros mokyklos
- Konferencijos, seminarai, paskaitos
- Azijos centro naujienos
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- Skelbiame
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