



TIME4CS PROJECT

Empowering Research Organisations
with Citizen Science

30th November 2023

Alessio Livio Spera
(APRE)

TIME4CS

SUPPORTING SUSTAINABLE
INSTITUTIONAL CHANGES
TO PROMOTE CITIZEN SCIENCE IN
SCIENCE AND TECHNOLOGY

The TIME4CS project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 101006201



TIME4CS Consortium

Coordinator



11
Partners

9
European
countries

Crowdhelix
COLLABORATION INTELLIGENCE

Tyndall
National Institute
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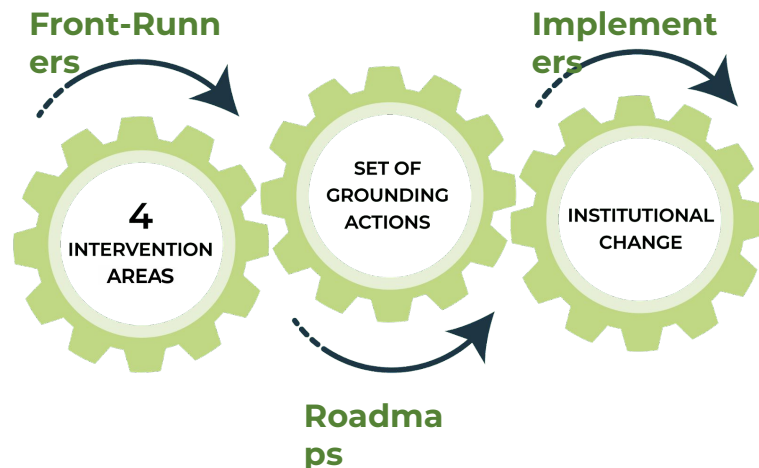
APRE
Agenzia per la Promozione
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TIME4CS Aim

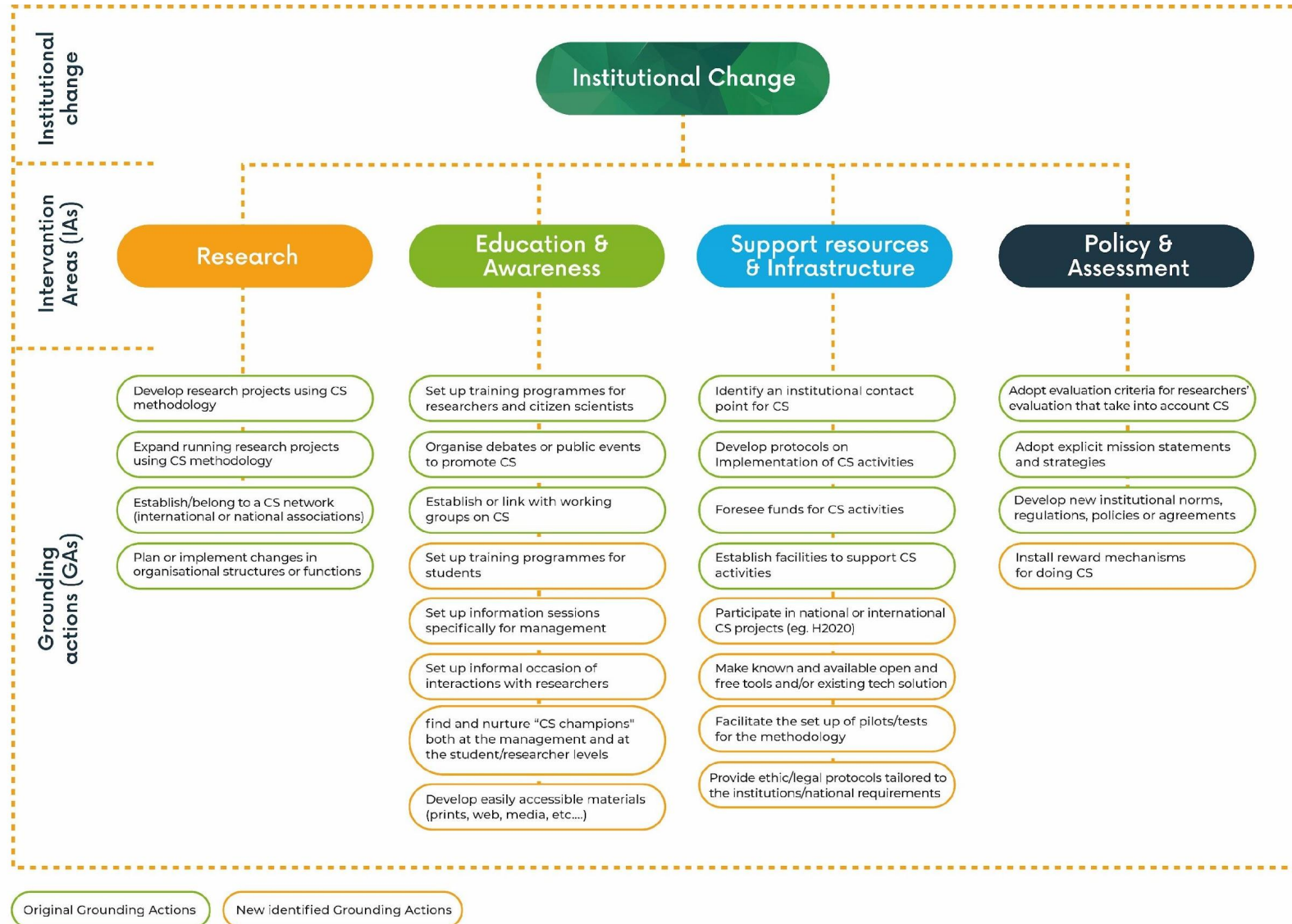
General Objective

to support and facilitate the implementation of sustainable **Institutional Changes** in Research Performing Organisations (RPOs) to promote **Public Engagement** (citizens and citizens associations) and **Citizen Science** in science and technology

Concept



TIME4CS Intervention Areas



Institutional transformation

Drivers of successful institutional changes in support of Citizen Science

In order to identify the factors that are the most significant in the adoption process, 4 propositions were setup to define the multiple configurations to be tested by the FsQCA to understand the drivers of successful institutional support of citizen science:



Proposition 1

A considerable number of established CS projects is a necessary condition for the success of institutional transition in support of CS.



Proposition 2

Because participation in a local or national network could reinforce collaborations between different actors within the institution, different types of networks are necessary or/and sufficient conditions for the success of institutional transition in support of CS.



Proposition 3

CS champions at different levels are a necessary or/and sufficient condition for the success of institutional transition in support of CS.

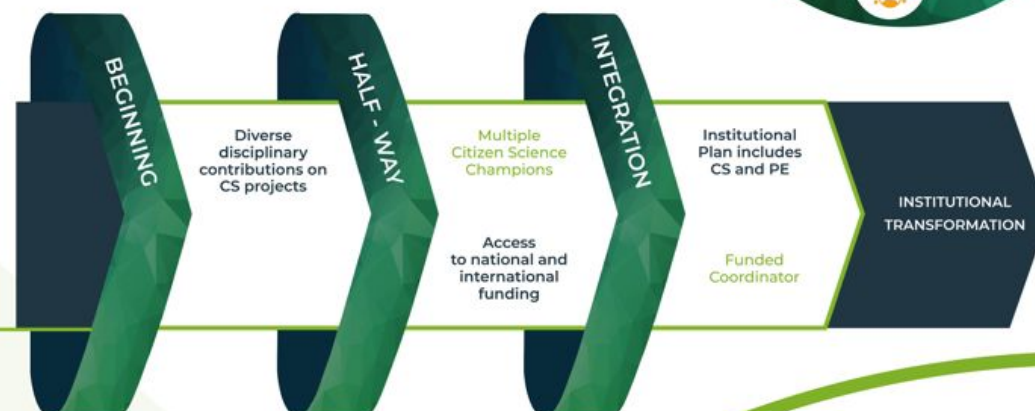


Proposition 4

The existence of a strategic plan in support of CS activities and to network learning and expertise is a necessary and/or sufficient condition for the success of institutional transition in support of CS.

Chronology of institutional transformation based on the FsQCA conditions

Based on the four dimensions of an institutional change, TIME4CS tried to understand change as a process that can be divided in at least three stages: a beginning of the change/transformations; half-way through such change; and the integration of changes as a constant. Different pathways and guidelines in this sense emerged from the experiences of existing citizen science projects, the routes taken by Front Runners and the multiple experiences of RPOs around the world which together can provide



In order to implement institutional changes, we find two theoretical models:

Identification of the specific conditions and their combination leading to the support of Citizen Science in RPOs



- 38 Case Studies were built up by reaching out to Citizen Science Champions working at RPOs around the world and through desk analysis.
- Initially, 42 questions were answered related to the institutional support and behaviour of researchers to promote Citizen Science practices in their RPOs.
- Later, 11 conditions were selected because of their direct implication in promoting and/or supporting Citizen Science practices.



TIME4CS Main challenges and recommendations

HOW TO GROUND CS AT UNIVERSITIES?

- ✓ How to ignite interest amongst researchers?
- ✓ How to assess citizen science in researchers' evaluations?
- ✓ How to get funding beyond the specific citizen science calls?
- ✓ How to develop of a strategy for allocation of more resources to design and develop CS based projects?
- ✓ Difficult to go from theory to practice and learn how to properly develop CS projects.
- ✓ How to overcome the limitation of staff time to support researchers working on CS projects?
- ✓ How to roll out effective training modules for researchers?

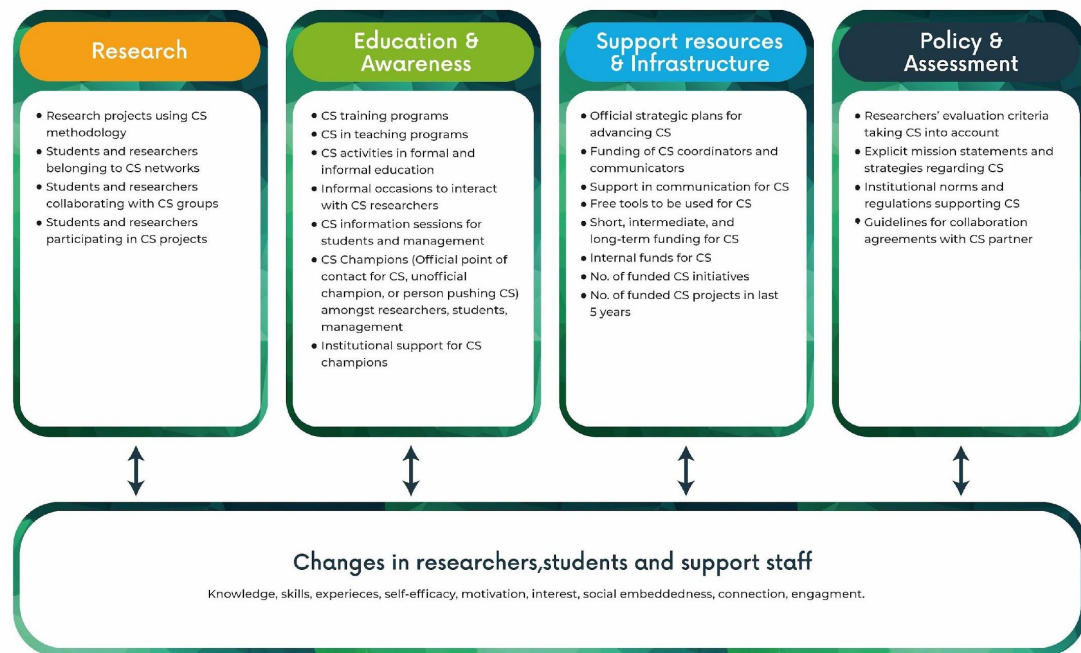
ACTION POINTS WHEN GROUNDING

- ✓ Engage all stakeholders from the very beginning incl support staff
- ✓ Find out the best way to collect feedback and opinions
- ✓ Comprehensive awareness-raising
- ✓ Create a sustainability plan
- ✓ Find and liaise with CS champions
- ✓ Focus on training
- ✓ Design multidisciplinary projects through co-creation and learn from others

TIME4CS Tools and Resources

Institutional changes

Individual changes



Indicators for individual and institutional changes that support Citizen Science



TIME4CS
ETHNA
join's for health

16th May 2023
14.30 - 16.00 CET
online event

SUPPORT RESOURCES & INFRASTRUCTURE

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" Ethical aspects of Citizen Science: good practices and institutional interventions "

Trainings



Reflection Tool
(over 900 views and 600 downloads!)

TIME4CS

REFLECTION TOOL
for Institutional Changes in Citizen Science

January 2022

Prepared by
Eugenia Vlachou
Marie Fleck
Ildiko Ipolyi

SCIENCE CONNECT
EUROPEAN COMMISSION

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Citizen Science

Sustainable institutional changes to promote public engagement and citizen science in research & innovation

Leave

View Opportunities

Networking

Background

The relationship between science and society has undergone significant changes in the last decades, gaining increasing importance as a research field. Episodes of societal mistrust towards scientific orientations and positions have opened the way to a deeper reflection on how the scientific ecosystem could better take societal views into consideration, without taking for granted its automatic consensus. Citizen Science can help science to become more self-aware and reflexive about its role and impact on society and allows to incorporate view diversity into problem formulation and research questions and to share, transfer and practice scientific culture, contributing to the challenge of science education. To be properly realized, it calls for the contextual adaptation of procedural and operative dimensions, and as such it can become an enabler of change also at the governance level.

Key projects

TIME4CS aims at supporting and facilitating the implementation of sustainable institutional changes in research performing organizations to promote citizen science and more in general public engagement in science and technology. TIME4CS has identified 4 intervention areas that alone or combined can stimulate the institutional changes necessary to promote public engagement in R&I activities: i) Research; ii) Education and Awareness; iii) Support resources and Infrastructure; iv) Policy and Assessment.

Launched to support dissemination and impact for TIME4CS, the Citizen Science Helix is an international Open Innovation community of specialists in the fields of citizen and open

Seeking collaborators for Citizen Science projects?

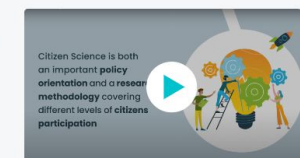
Post a new Opportunity in this Helix

New Post

658 Experts

202 Organisations

47 Countries



The TIME4CS Project

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TIME4CS Facts & Figures

- 40 case studies mapped
- 11 conditions selected

Analysis



- 800+ people reached
- 400+ active participants

Webinars



- 5000+ views
 - 260 avg
- 3500+ downloads
 - 170 avg

Public resources on Zenodo



- 786 experts
- 247 Organisations
- 50 Countries

Citizen Science Helix



- 15+ liaisons with other projects and initiatives
- 30+ joint events

Clustering





TIME4CS

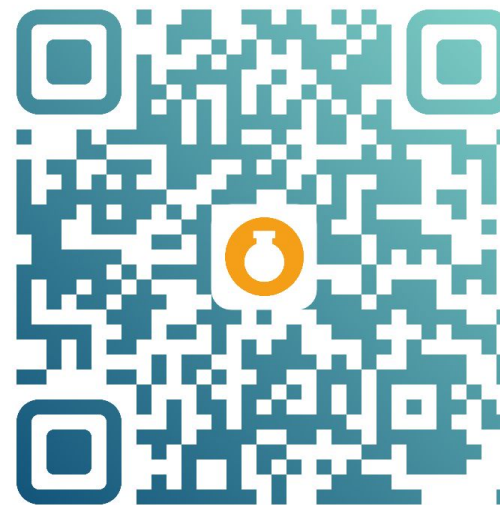
 www.time4cs.eu

 time4cs@apre.it

#TIME4CS



Thank you for your attention !



Zenodo Community

