



# Cultivating Open-Source Agriculture in Tzoumerka:

A three-day retreat of farmers, makers and scholars

15-17 September



Tzoumakers rural makerspace, Kalentzi, Municipality of Northern Tzoumerka



Project co-funded by the European Union and National Funds of the participating countries

## 15 September 2019

09:00-09:30 Welcome - registration

09:30-10:00 Introduction: A 3-day retreat designed globally, manufactured locally

> Alex Pazaitis. Junior Research Fellow in Technoloav Governance, Tallinn University of Technoloay, Scientific consultant for project Phyaital

10:00-10:30 Presentation of open-source solutions by the Makers' teams

> Facilitation: Alekos Pantazis, Junior Research Fellow in Technology Governance, Tallinn University of Technology, P2P Lab core member

10:30-13:00 Open discussion: Commons, local sovereignty and emancipation

Speakers:

Alexandros Kioupkiolis, Ass. Professor in Political Science, Aristotle University of Thessaloniki **Anna Chronaki**. Professor in Mathematics Education and Learning Technologies, University of Thessalv

Dimitris Dalakoglou, Professor in Social Anthropology, Vrije University Amsterdam

George Papanikolaou, Greek chapter of P2P Foundation

Maro Pantazidou, Learning and Impact Officer for Amnesty International

Panagiotis Antoniadis, Co-founder of NetHood Sofia Adam, Program Coordinator, Heinrich Böll Stiftung - Office Thessaloniki, Greece Facilitation: Chris Giotitsas, Research Fellow in

Technology Governance, Tallinn University of Technology, P2P Lab core member

13:00-16:00 Mid-day break

16:00-20:30 Making in Tzoumerka: Manufacturing of open-source agricultural solutions (Part 1)

Closure of day 1 20:30-21:00

# Day 2 | 16 September 2019

09:30-10:00 Welcome - registration 10:00-11:30 **Tzoumakers and Sustainability:** Assessing community-based distributed production Katerina Troullaki, PhD Candidate in Environmental Engineering, Technical University of Crete 11:30-13:00 Energy self-sufficiency in small farms: A small-scale biogas installation for farming machines Jean-Philippe Valla, Engineer, L'atelier paysan 13:00-16:00 Mid-day break 16:00 20:30 Making in Tzoumerka: Manufacturing of open-source agricultural solutions (Part 2) 20:30-21:00 Closure of day 2



### Day 3 | 17 September 2019

09:30-10:00 Welcome - registration

10:00-13:00 Making in Tzoumerka: Manufacturing of open-source agricultural solutions (Part 3)

13:00-16:00 Mid-day break

16:00-20:00 Making in Tzoumerka: Manufacturing of open-source agricultural solutions (Part 4)

20:00-21:00 Closing event: Presentation of solutions and grassroots innovation awards

> Facilitation: Alex Pazaitis, Junior Research Fellow in Technology Governance, Tallinn University of Technology, Scientific consultant for

project Phyaital

#### Together we will make:

- -Arduino monitoring tool
- -Herb mill/sieve
- -Radio-based wireless sensors for precision agriculture & microclimate monitoring
- -Hive frame wiring device





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