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## Ways to Integrate Open & Citizen Science with Active Learning Approaches in Higher Education

### 9. LEVERAGE THE ROLE OF UNIVERSITIES IN FINANCIAL TRANSPARENCY INITIATIVES.

Social movements asking for more financial transparency on national & global levels should be supported by universities through citizen science.

### 1. ENGAGE WITH UNIVERSITY STUDENTS TO MEET AMBITIOUS SOCIAL OBJECTIVES.

Whereas university staff may be involved in citizen science projects, university students are much less involved.

### 2. ADOPT INNOVATIVE APPROACHES IN ACADEMIC ENGAGEMENT FOR CIVIL SOCIETY.

HE academic and library staff should go beyond mainstream solutions to reach out to new, ground-breaking initiatives.

### 8. ENGAGE IN OPEN INNOVATION.

Universities and their libraries, are expected to commit to new knowledge creation, thus becoming a key source of innovation in society.

### 7. BUILD TRUST & SUSTAINABILITY BY INCLUDING CITIZENS.

HEIs and academic libraries should look beyond the end of a citizen science project: take sustainability measures, strengthen community uptake and build trust with volunteers.

### 6. OPEN CITIZEN SCIENCE PROJECTS UP TO MANY STAKEHOLDERS.

Broad collaboration is needed to tackle social issues.

### 5. SUPPORT LOCAL COMMUNITIES SEEKING SCIENTIFIC ADVICE.

Collaboration between scientists and citizens is of critical importance in environmental justice and public health advocacy. HEIs and their libraries play a key role in this.

### 4. DEVELOP CURRICULA THAT EMBRACE CITIZEN SCIENCE & PUBLIC PARTICIPATION IN SHAPING SCIENCE.

Include Citizen Science in HEI curricula as a means to mainstream it in university learning and teaching practice.

### 3. INVOLVE ACADEMIC & LIBRARY STAFF IN THE DESIGN & IMPLEMENTATION OF CITIZEN SCIENCE.

Adopt more diversified roles at various stages of citizen science projects, beyond the 'observer' role of scientific validation or external evaluation.



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