



Ingénieurs
sans frontières

presents

the **Observatory of Citizen
Trainings**

a *participatory action-research* program on
engineering trainings in France

in partnership with



with the support of



Fondation Charles Léopold Mayer
pour le Progrès de l'Homme



EWB France – Missions, Vision and Projects



Engineering Without Borders France « aims to participate in the building of sustainable development through a critical practice of engineer's approach ».

Engineering Without Borders Charter, 2002 - <https://isf-france.org/charte>

... from the *humanitarian* to the *training* of the engineer ...

A better comprehension of how engineering students are trained would not it be a way relevant to analyze how the profession is exercised?

- « *Training the Citizen Engineer* » Project -



The Observatory of Citizen Trainings

- *fields of analysis (1)* -



Institutional Governance

The interest is to understand how **stakeholders should interact** to set up engineering training focused both on the technical aspect but also concerned with the social and environmental impacts.



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The Observatory of Citizen Trainings - *fields of analysis (2)* -



Content of Curricula and Educational Methods

Even though the importance of **social sciences** in engineering education seems acquired, it is not obvious to understand how these courses are delivered, in which **forms** and with which **objectives**.

The Observatory of Citizen Trainings - *fields of analysis (3)* -



University Political Life and Stakeholders Involvement

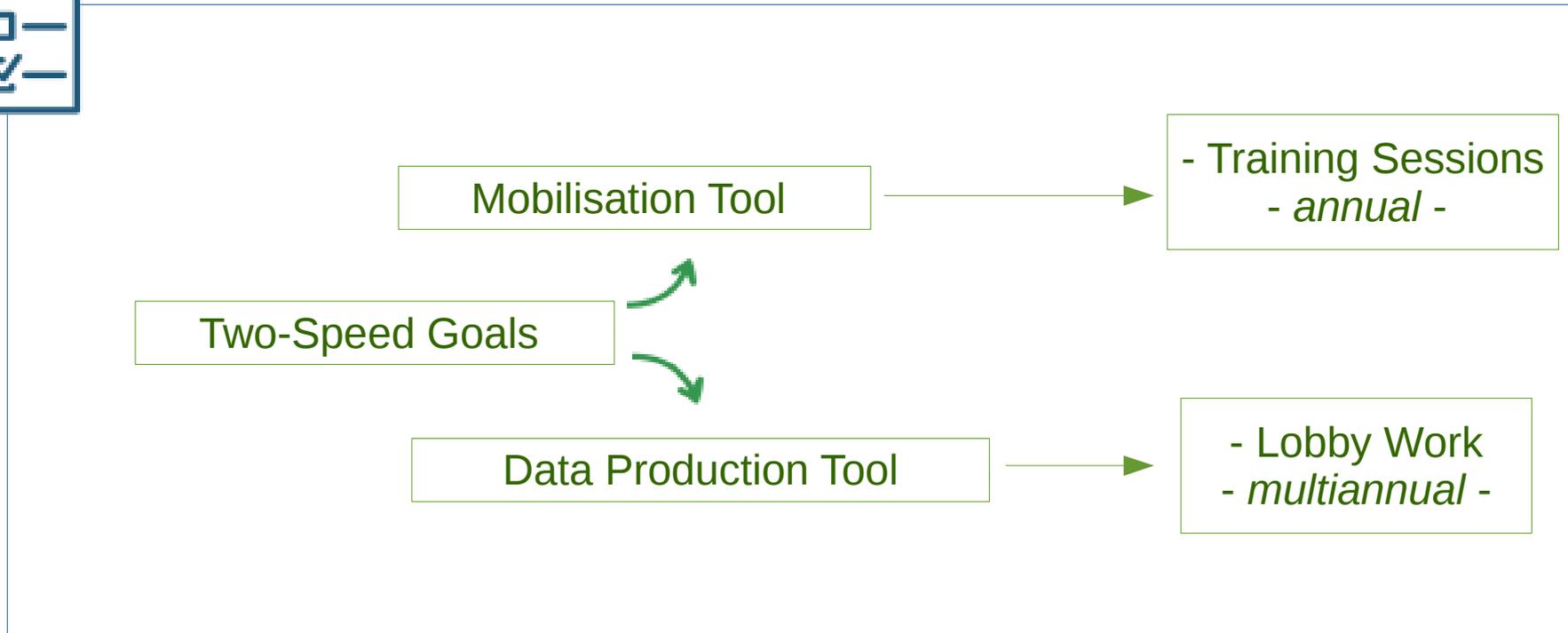
This third field will **highlight**
the **use of knowledge** acquired by students
through tutored projects, associative and professional experiences.



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- *the survey* -



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- *partners* -

Civil Society Partners



- La Fédération Nationale Ingénieurs sans frontières
- Le réseau Les Petits Débrouillards
- La Fondation Sciences Citoyennes
- L'association Avenir Climatique
- Le Réseau Français des Étudiants pour le Développement Durable (REFEDD)
- Le réseau Alliance Sciences-Société
- Les syndicats étudiants UNEF et Solidaires
- L'entreprise B&L Evolution
- L'Agence Nationale pour l'Amélioration des Conditions de Travail (ANACT)



Research Partners



Chercheur-es en sciences humaines et sociales dans les établissements suivants :

- INSA Lyon
- ENSTA Bretagne
- Paris Saclay
- INSA Toulouse
- ENSIM
- École Centrale Nantes
- Université de Rennes 2
- Université Charles de Gaulle Lille 3



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- *the ground* -



- ISF Territorial Anchoring
- Local Partners

... test ...

national survey



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- *funding research* -



Self-Financing



Private Funds



Partners Funds



Public Funds



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- *multiple interests* -

Public Institutions

to be informed of the complexity of the constituent elements of training courses

Establishment

to open a constructive debate to activate the levers of transformation with a higher acceptability of all stakeholders

Students

opportunity to discover, by applying them, the conceptual and methodological elements of human and social sciences



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- *opportunities for change* -

**Legal
Structuring**

**Curriculum and
Educational Methods**

Social Structure

- Opening the **debate** about these issues
- Proposing **alternatives**
- Reinforce **advocacy**



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