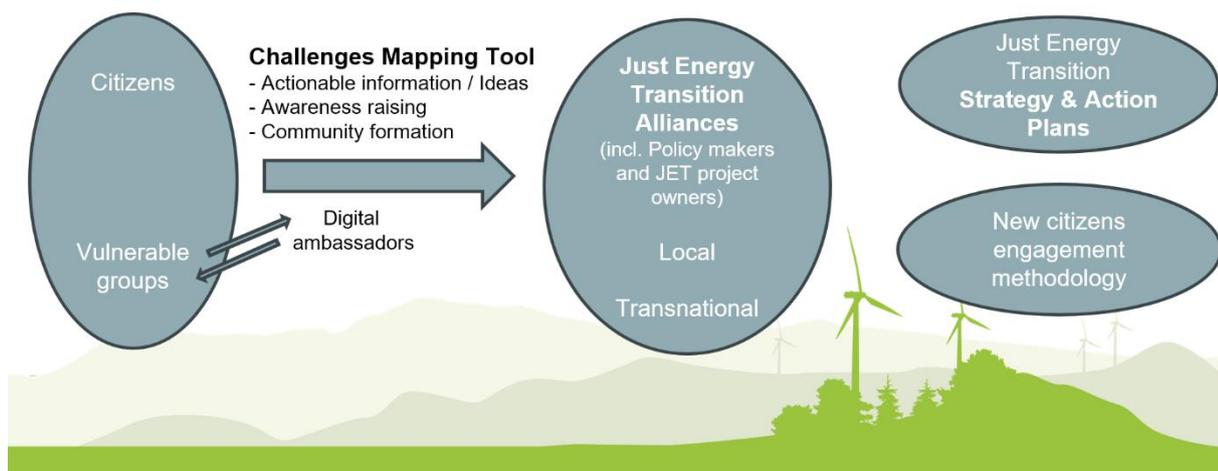# JETFORCE CHALLENGE MAPPING TOOL

USER MANUAL

The JETforCE Challenge Mapping Tool (CMT) is a participatory digital solution designed to give citizens an active role in shaping the Just Energy Transition in Central Europe. By leveraging a web-based application and geographic information systems (Google Maps), this tool allows users to report and assess challenges related to energy transition initiatives in their communities. Its primary goal is to identify potential negative socio-economic impacts on vulnerable groups and ensure that the transition to renewable energy is equitable and inclusive.

The JETforCE Challenge Mapping Tool can be regarded as a social innovation, enabled by digital innovation. With the CMT citizens, and especially vulnerable groups have an easy-to-handle communication channel to Just Energy Transition Alliances of various JET stakeholders, through which they can identify, localize and specify challenges and action potentials in relation to regional JET programs, with digital ambassadors serving as an important additional communication channel to those who might not be reached though the digital tool alone (see infographic below).

Originally the Challenge Mapping Tool has been developed by IAAI GloCha as a youth engagement tool in the context of the UNFCCC action for climate empowerment programme (ACE). Within JETforCE, IAAI in close collaboration with JETforCE partners adapted and expanded the tool for all citizens, enabling bottom-up engagement with the energy transition process. The tool serves as a collaborative platform where individuals and communities can voice their concerns, ensuring that no one is left behind in the transition to greener energy systems.

The beta version of the JETforCE Digital Challenge Mapping Tool was launched in September 2023 and has since been piloted in all nine partner countries across Central Europe. Initial testing involved project partners and members of the Transnational Just Energy Transition Alliance (T-JETA), confirming the tool's potential to transform citizen engagement and on-the-ground knowledge into inclusive and just energy transition programs and governance on regional level. By integrating direct feedback from communities into decision-making processes, the tool strengthens the link between local voices and policymakers, ensuring that energy transition plans address real-world needs.

Beyond its function as a data collection tool, the Challenge Mapping framework serves as a means to foster behavioural change. By actively participating in the mapping process, citizens gain a deeper understanding of the just energy transition, climate policies, and the role of renewable energy in shaping their futures. Public authorities, NGOs, and policymakers can leverage these insights to design more responsive and fairer policies, addressing social and economic concerns before they become significant barriers to implementation.

As JETforCE progresses, the Challenge Mapping Tool will continue to evolve, integrating more sophisticated data analytics and expanding citizen engagement strategies. By harnessing the power of digital participation and decentralised data collection, this tool stands as a model for how technology can empower communities and ensure just energy transition policies are informed by those most affected.
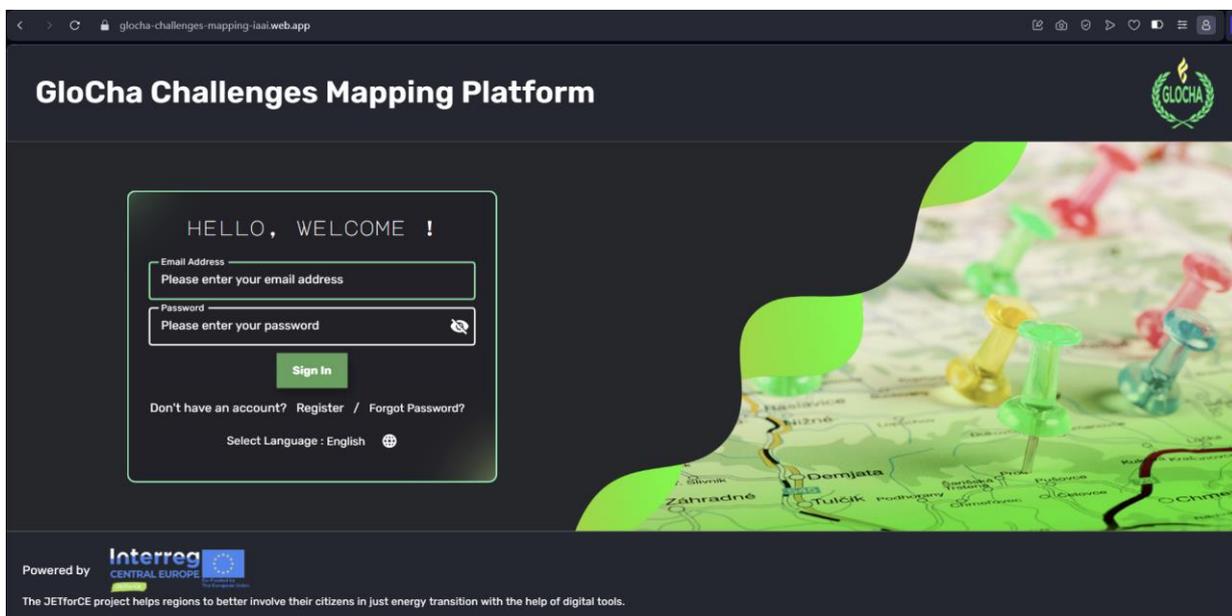
Challenge Mapping Tool – User Manual

🌐 **JETforCE Challenge Mapping Tool – User Manual –** Empowering Citizens for a Just Energy Transition

🔗 **Access the Tool:** https://glocha-challenges-mapping-iaai.web.app

1.2.1   What is the JETforCE Challenge Mapping Tool?

The JETforCE Challenge Mapping Tool (CMT) is a citizen engagement platform that empowers individuals and communities to identify, localize, and report challenges related to the Just Energy Transition (JET) in their regions. Developed within the INTERREG Central Europe JETforCE project, the tool enables transparent, inclusive communication between citizens and decision-makers, with a focus on vulnerable groups.

1.2.2   Who Can Use the Tool?

The JETforCE CMT is geared towards:

- Citizens and local communities
- Public authorities and energy agencies
- NGOs, youth groups, and schools
- Digital Ambassadors and community facilitators
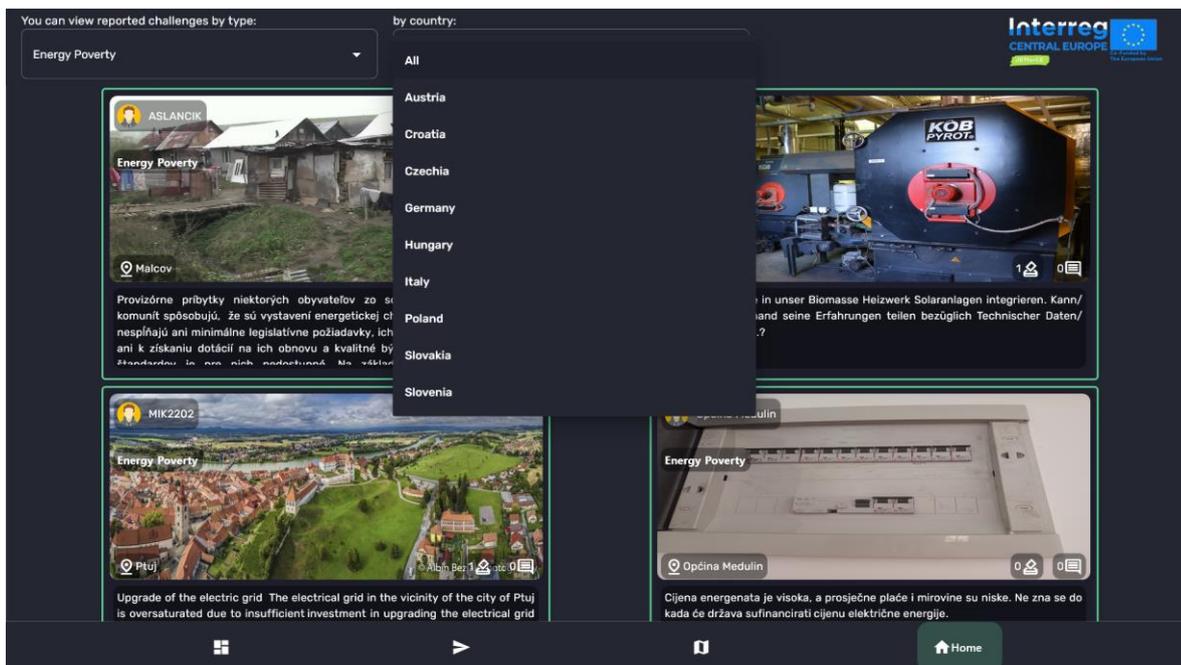- et al.

1.2.3   How to Use the Tool

STEP 1: Register and Log In

STEP 2: Create your user profile via the login page. A simple registration process allows secure access to the tool.

STEP 3: Explore the Interface

The app has four main sections:

- **Home Page:** View all reported challenges chronologically.
- **Map View:** See challenges geolocated by region and category.
- **Report Page:** Submit new challenges with photos, categories, and locations.
- **Dashboard:** Track your activity – challenges reported, commented, or supported.

STEP 4: Reporting a Challenge

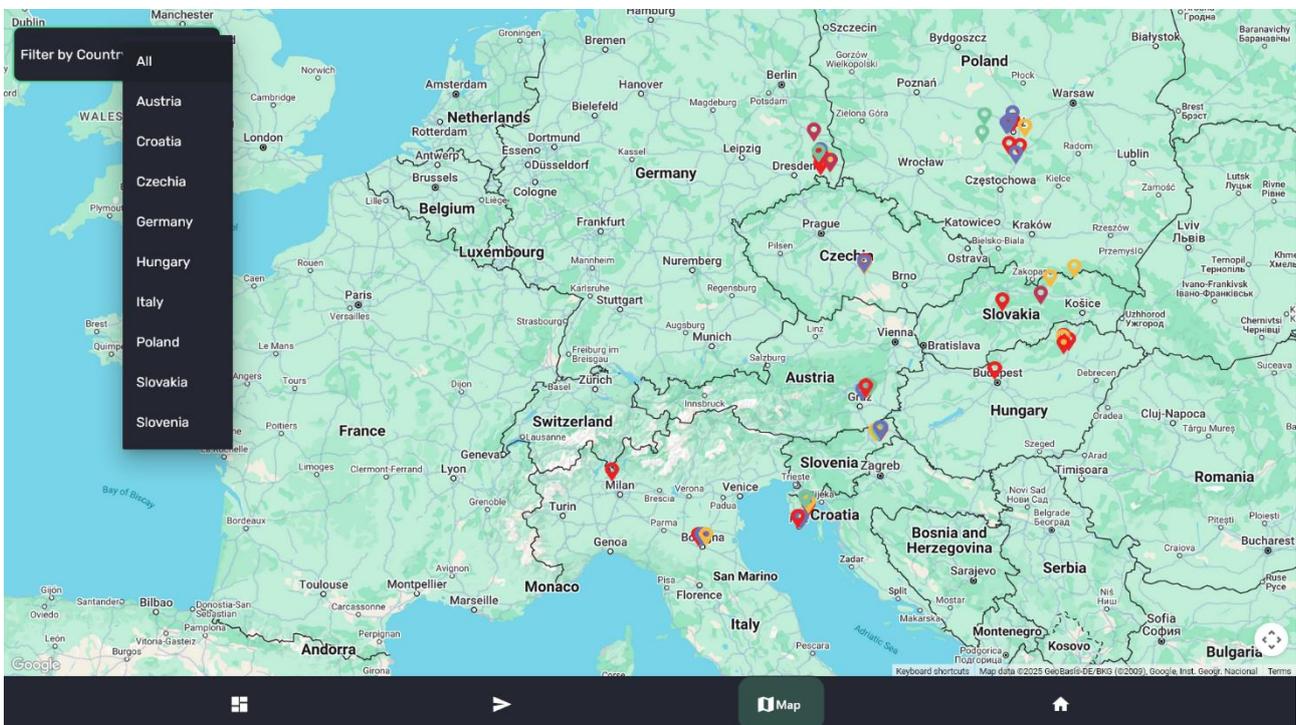You can report a challenge under one of **five categories**:

1. **Energy Services**: Issues with access, cost, or reliability of electricity, gas, heating, etc.
2. **Energy Poverty**: Difficulties faced by vulnerable groups in affording or accessing energy.
3. **Citizen Engagement**: Lack of involvement in decision-making or planning processes.
4. **Cross-Institutional Cooperation**: Challenges needing multi-agency coordination.

5. **Justice/Inequality**: Transparency, fairness, or unequal impacts of energy policies.

📍 Mark the location on the map and upload at least one photo.

💬 Add a short description and proposed solutions.

1.2.4   Key Features

- Multi-language support
  Voting & commenting on challenges
- Visual mapping of local priorities
- Profile dashboard for engagement tracking
- Designed for low digital literacy and inclusive access

1.2.5   Tips for Stakeholders

- **Authorities**: Use citizen-reported data to adapt local energy policies and energy transition programs.
- **Educators**: Integrate into school programmes for innovative climate action learning.
- **Digital Ambassadors**: Offer in-person support and workshops for marginalized users.
- **NGOs**: Mobilise communities and raise awareness on opportunities and local/regional challenges of the Just Energy Transition through CMT use.

1.2.6   Contact

For technical issues and for information about future iterations of the CMT and partnership opportunities:

International Association for the Advancement of Innovative Approaches to Global Challenges IAAI GloCha

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Let's shape a **fairer, greener future—together.**

🟢 *Your voice. Your map. Our transition.*