

## **PIANOFORTE mobility program - Mission report: Workshop in Crotona – March 7-10, 2024**

**Federica Panzarella**

This second research stay in Crotona was conceived as part of my ongoing PhD research project at SCK CEN and KU Leuven (<https://research.kuleuven.be/portal/en/project/3H210581>), under the supervision of Dr. Catrinel Turcanu (SCK CEN), Prof. Valérie Cappuyens (KU Leuven) and Prof. Bieke Abelshausen (VUB). The aim of the PhD is to assess how social sustainability considerations play a role in the management of contaminated sites through the application of asset-based approaches.

For data acquisition, a first research stay in Crotona was organized in October 2023. Then I conducted interviews with community members, politicians, and radiation protection experts. This second research stay in Crotona aimed to contribute to the exchange of stakeholders' perspectives through the application of the Community Capitals Framework in a workshop setting, while promoting discussion between interviewees and decision-makers on the future of the TENORM contaminated site through Value Network Mapping techniques.

The workshop was organized in collaboration with the University of Calabria and the Italian Naval League, Crotona Section, under a joint agreement to promote research and foster environmental education and monitoring of coastal and marine habitats.

Program([https://www.google.com/url?sa=t&source=web&rct=j&opi=89978449&url=https://www.unical.it/media/publications\\_attachments/11447/Program\\_Brochure.pdf&ved=2ahUKEwibtsTxvqOFAx1Q6QEHaudBjMQFnoECBQQAQ&usg=AOvVaw0-QbMUUJahsSj7U5JhyJgku](https://www.google.com/url?sa=t&source=web&rct=j&opi=89978449&url=https://www.unical.it/media/publications_attachments/11447/Program_Brochure.pdf&ved=2ahUKEwibtsTxvqOFAx1Q6QEHaudBjMQFnoECBQQAQ&usg=AOvVaw0-QbMUUJahsSj7U5JhyJgku)):

- **March 8, 2024 – University of Calabria, Department of Physics (Seminar room), Rende**  
The first day of the workshop encompassed sessions led by experts, delving into the current advancements, unresolved challenges, and state-of-the-art practices in contaminated site remediation. These discussions took place within an interdisciplinary context. Additionally, the session showcased real-world case studies of sites impacted by radioactive contamination worldwide. These cases highlighted the implementation of community-based approaches for sustainable environmental management.
- **March 9, 2024 – Lega Navale di Crotona, Via Molo Sanità, Crotona**  
On the second day of the workshop, the spotlight shifted to community engagement, emphasizing the importance of aligning redevelopment efforts with local needs. This session, centered on sustainability, aimed to foster public involvement and collaborative design thinking among various stakeholders. Its goal was to pinpoint challenges, brainstorm ideas, assess strategies, and implement initiatives aimed at developing comprehensive sustainable solutions to address environmental challenges within local communities.

As an integrative component of my research methodology, a photo context titled *The Place where I Live: My Likes and Dislikes* was organized online in the months preceding the workshop. During the workshop 100 photographs were showcased. These provide unique insights into the community's viewpoint in relation to the contaminated site. The photo exhibition has been moved to the City Hall of Crotona, where it will permanently remain.

This research stay was a very positive experience, and of fundamental importance for the finalization of my research study. All the gathered data will be analyzed and used for scientific publication purposes.

---

*This partnership has received funding from the European Union's "EURATOM" research and innovation program under the 101061037 grant agreement.*