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Heritage for people

*Sharing vernacular
knowledge to build
the future*







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FROM INTANGIBLE HERITAGE TO CIRCULAR KNOWLEDGE

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VerSus+ / Heritage for People project and the previous *VerSus / Lessons from Vernacular Heritage to Sustainable Architecture* project have focused on the intangible dimension of the vernacular architectural heritage, a heritage of mainly tacit technical and scientific knowledge characterised by a high level of diversity. Intangible heritage refers to the living expressions and practices inherited from our ancestors, including traditions, rituals, music, dance, oral histories, craftsmanship, and other forms of cultural knowledge which rely on the active transmission and sharing of knowledge between individuals and communities. This knowledge is not confined to textbooks or formal education systems but is rather passed down through informal channels, such as storytelling, apprenticeships, and communal practices. This continuous transmission has ensured that the knowledge remains alive and relevant, allowing future generations to learn, practice, and reinterpret it. Indeed, intangible heritage is not static; it is able to adapt to changing social, cultural, and environmental contexts.

Traditional technical know-how refers to the specialised knowledge, skills, and techniques that have been developed and passed down through generations within traditional and indigenous communities. It encompasses the traditional practices, craftsmanship, and expertise associated with specific trades, crafts, or professions. This kind of knowledge is characterised by its adaptability, sustainability, and resource efficiency. It is rooted in the principles of circular economy, such as the reuse, repair, and recycling of materials, as well as the optimisation of resource use and waste reduction. Such a knowledge system is often closely tied to cultural traditions, natural resource management, and sustainable livelihoods, and it plays a vital role in preserving cultural identities, fostering community resilience, and contributing to the sustainable development of societies.

VerSus+ / Heritage for People project is based on the concept that communities can engage creatively with their intangible heritage, incorporating new elements and ideas while retaining its essence. This adaptability fosters innovation and enables the knowledge to remain vibrant and meaningful in contemporary society. When we study traditional technical knowledge, and in particular architectural knowledge, trying to codify the elements useful for the design of conservation and restoration work, renovation or new buildings, we perform an important operation, transforming this know-how into circular knowledge.

Circular knowledge as relevant part of circular economy

Circular knowledge can be defined as a type of knowledge that forms a closed loop, where the information or understanding obtained is shared, reused, and regenerated within a community or society. The

opposite page
A student working on the analysis of a traditional building in Formentera, Spain
(credits: T. D'Intino)



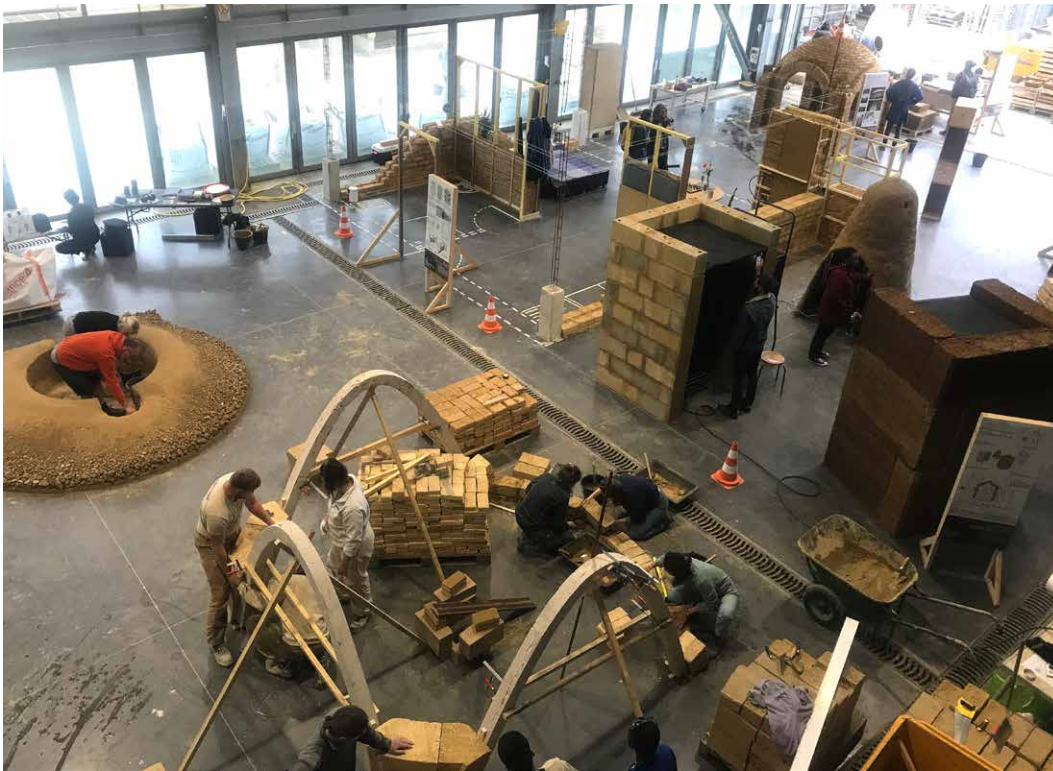
Interview with builders and inhabitants of the villages of Northern Syria

(credits L. Lupi, 2009)

basis of this approach is a continuous flow, exchange, and application of knowledge, with the aim of fostering innovation, sustainability, and societal development. To promote circular knowledge, it is necessary to encourage collaboration, information sharing, learning from historical experiences, fostering innovation, and actively involving stakeholders. Its validity for sustainable development is linked to the ability to recognise its dynamic nature and its potential for adaptation, transformation, and regeneration to address contemporary challenges and promote positive change.

Circular knowledge can be considered a relevant part of the broader concept of a circular economy. The circular economy is an economic model that aims to minimise waste, optimise the use of resources, and foster sustainability by promoting the reuse, recycling, and regeneration of materials and products. Circular knowledge complements the principles of a circular economy by focusing on the sharing, reuse, and regeneration of knowledge within society.

Intangible heritage reflects the rich cultural diversity of different communities around the world. Circular knowledge recognises the importance of diverse perspectives and encourages intergenerational dialogue. In the case of intangible heritage, older generations share their knowledge and experiences with younger generations, fostering a sense of continuity and cultural identity. This exchange of knowledge strengthens social cohesion and promotes understanding and respect for diverse cultural practices. Circular knowledge encourages sustainable practices by emphasising the conservation and revitalisation of traditional knowledge and skills. By integrating intangible heritage into sustainable development strategies, communities can ensure the preservation of their cultural identities while contributing to the well-being of their environment and society.



Workshops on innovation of traditional materials and building techniques at the Festival Grains d'Isère 2023, Grands Ateliers, Villefontaine, France

(credits L. Dipasquale)

From a circular knowledge perspective, the dynamic nature of intangible heritage and its potential for transmission, adaptation and regeneration is thus recognised. This perspective highlights the role of communities, intergenerational dialogue, and sustainable practices in preserving and revitalising cultural traditions and knowledge for future generations, which is the aim and meaning of the project line from *VerSus / Lessons from Vernacular Heritage to Sustainable Architecture* to the present *VerSus+ / Heritage for People*.

Based on the lessons learnt in this project, we can identify some principles for the implementation of circular knowledge processes to promote a more sustainable and resilient future.

- *Knowledge sharing and collaboration*: encouraging the sharing of expertise, best practices, and lessons learned among different stakeholders, such as researchers, businesses, communities, and policymakers. By sharing knowledge, valuable insights can be gained, leading to the acceleration of the transition to a sustainable development.
- *Learning from the past*: acknowledging the value of traditional knowledge and practices inherited from previous generations. By studying and understanding past approaches, societies can extract lessons and insights to inform present-day strategies.
- *Innovation and continuous improvement*: fostering innovation and continuous improvement by encouraging the regeneration and reinterpretation of existing knowledge.
- *Engaging stakeholders and community participation*: Fostering the circular knowledge means encouraging the active involvement of individuals in the creation, interpretation, and regeneration of knowledge. Community members play a crucial role in keeping the knowledge alive through their

continuous engagement, participation in rituals and festivals, and the transmission of skills and traditions. By sharing knowledge and building capacity, circular knowledge initiatives facilitate the capacity to develop sustainable solutions and create a more resource-efficient and resilient future by enabling stakeholders to make informed decisions and take meaningful actions.

The role of circular traditional knowledge for the sustainability and resilience of human ecosystems

Circular traditional technical knowledge plays a crucial role in promoting sustainability and resilience within human ecosystems. As evidenced by the investigation and experiences conducted, it is evident that traditional knowledge encompasses various crucial facets that are pertinent in addressing contemporary global environmental and societal concerns.

- *Sustainable Resource Management*: traditional technical knowledge frequently encompasses practises that effectively facilitate sustainable resource management. Indigenous and traditional communities have developed intricate systems and techniques for utilising natural resources in a sustainable manner. This includes methods for selective harvesting, rotational farming, water management, and biodiversity conservation. By integrating such knowledge into contemporary practices, human ecosystems can achieve long-term sustainability by ensuring the responsible use and preservation of natural resources.
- *Adaptation to Environmental Changes*: human ecosystems are constantly exposed to environmental changes, including climate variability, natural disasters, and ecological shifts. Circular traditional technical knowledge holds valuable insights into adaptation strategies that have been developed and refined over generations. This knowledge equips communities with the skills and practices necessary to adapt to changing environmental conditions. It enables them to respond to challenges such as changing rainfall patterns, loss of biodiversity, or shifts in agricultural productivity, thereby enhancing the resilience of human ecosystems.
- *Conservation of Cultural Heritage*: circular traditional technical knowledge is often closely tied to preservation of cultural heritage. Preserving and revitalizing this knowledge is crucial for maintaining cultural diversity and promoting social cohesion within human ecosystems. By safeguarding traditional knowledge systems, communities can reinforce their cultural values, knowledge transmission mechanisms, and intergenerational dialogue. This conservation of cultural heritage contributes to the overall resilience and well-being of human ecosystems by fostering a sense of identity, community pride, and social cohesion.
- *Local Economic Development*: traditional technical knowledge can provide the foundation for sustainable and locally appropriate economic activities. Traditional crafts, agriculture, fishing techniques, and other practices rooted in circular traditional technical knowledge offer opportunities

for livelihoods that are well-suited to local ecosystems and cultural contexts. By promoting these traditional economic activities, human ecosystems can enhance their resilience by reducing dependence on external inputs, diversifying livelihood options, and strengthening local economies.

- *Knowledge Transfer and Community Empowerment*: traditional technical knowledge is typically transmitted through community-based learning processes and hands-on experiences. This knowledge transfer fosters community empowerment by valuing and involving local expertise. By recognising and integrating circular traditional technical knowledge into decision-making processes, policies, and education systems, human ecosystems can empower local communities to actively participate in the management and governance of their resources. This involvement strengthens the resilience of human ecosystems by fostering a sense of ownership, promoting sustainable practices, and ensuring the continuity of traditional knowledge systems.

Hence, the incorporation of traditional technical knowledge into present-day practises and policies has the potential to enhance the capabilities of human ecosystems in addressing environmental issues, promoting social welfare, and guaranteeing the long-term sustainability of natural and cultural resources.

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