





Conference on Natural and Cultural Capital: the Future of Europe

Botanical Garden of Rome, Italy. 24 November 2014

Natural and Cultural Capitals

Transdisciplinary strategies for community-based processes towards sustainable and inclusive development

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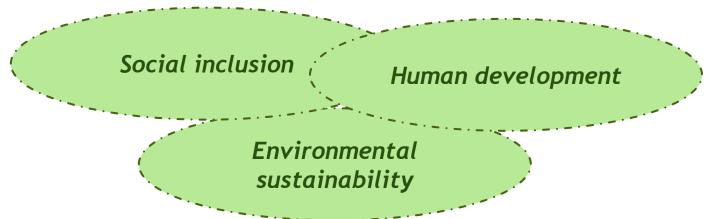
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The problems

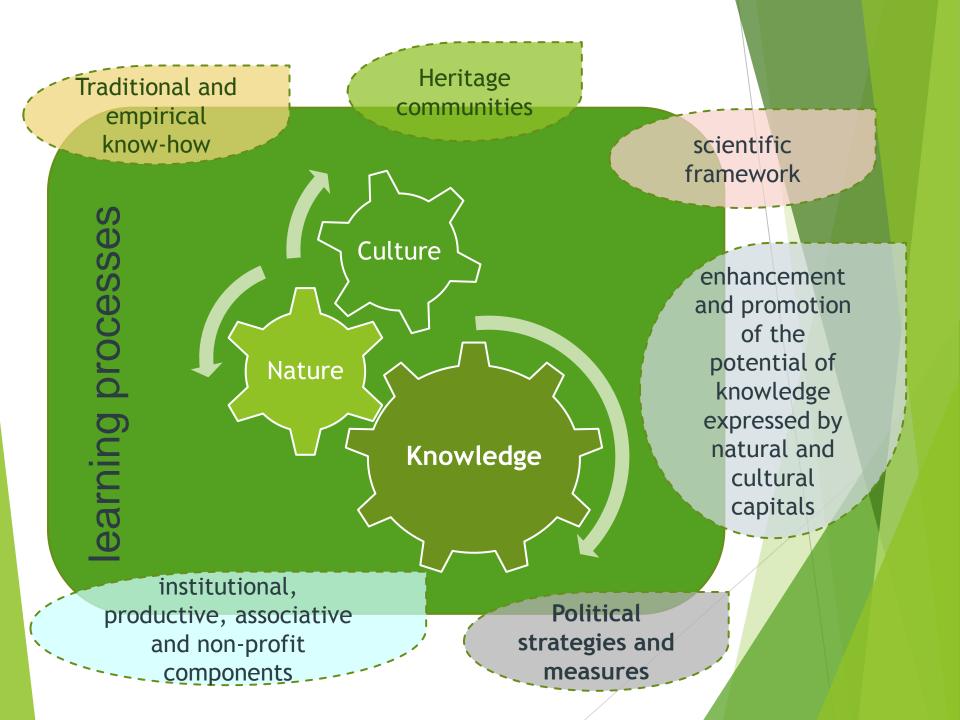


The potential

Natural sciences and human sciences toghether in a transdisciplinar perspective to analyze problems and to find solution to enhance the value of natural and cultural capital / heritage

Knowledge learning dimension

Human Capital



Traditional and empirical know-how

A way Citizen Science

Citizen science is defined as organised research where the balance between scientific, educational, societal and policy goals varies across projects. It is a growing worldwide phenomenon recently invigorated by evolving new technologies that connect people easily and effectively with the scientific community. New technology provides a valuable tool for citizens to play a more active role in sustainable development. Through collaboration with scientists in research projects citizens can contribute valuable information that can be used to develop and deliver policies, improve understanding and respond to many of the challenges facing society today.



Key points for research projects

- Mapping, researching and documenting participative methodologies - local cultural and natural heritage,
- Participatory governance for the heritage
- Policies for new forms of dynamic safeguard, working to build new "ecosystems of digital cultural and natural assets"
- Technological models for the recognition of citizens as resources for the definition and management of new services (from models of value chain to new models of prosumer), engaging and proactively involving European citizens in such activities and services

Key points for researching

- experimental model of research / monitoring / learning, for the management of natural and cultural capital in a lifelong learning perspective,
- test of appropriate regulatory instruments to drive the changes and adjustments required by international conventions;
- new professional profiles and competencies for production of environmental goods and services in a sustainable and inclusive economy (tourism, culture and environment; assessment, monitoring and training; ...) including well-being and social prosperity;
- "collaborative construction space" in which to provide and share cognitive tools developed within the human sciences and the natural sciences

New technologies

- Linking Natural and Cultural capital
- Making the best use of traditional and scientific knowledge
- Increasing the capacity of using the acquired knowledge to promote sustainable development and deal with environmental issues
- Engaging and proactively involving European citizens in such activities



From Experiences to Best Practices

- SmartEcoPhone project, between research and enterprise. Enhancing the natural and cultural capital of Rome
- Cocullo 2013 as innovative space of safeguard
- Study Circles cross border laboratory Italyslovenia, development of human resources and cooperation networks promoting natural and cultural capitals

SmartEcoPhone project, between research and enterprise.

Enhancing the natural and cultural capital of Rome



Historical parks



19th century square gardens



Historical gardens



Archeological sites

Aims

an application in English and Italian for smart phones and tablets (both iOS and Android systems) dedicated to the historical parks and gardens of Rome, which has been developed through a joint venture between public institutions and private enterprises within the framework of an EU-funded project.

- Spreading the knowledge of the Parks among citizens and tourists by interactively exploring the cultural and natural heritage
- Building the cultural identity.
- Monitoring and reporting to the responsible institution









Functionalities









lunghezza dei rami, di colore verde-grigio molto scuro.

fiori maschili disposti all'apice dei rami.

che contiene numerosi semi alati.

Fiori: coni femminili globosi a squame pentagonali molto appiattite,

subgloboso, prima verde poi giallo-grigio, con 8-14 squame a scudo,

Altre notizie: il legno è duro e molto resistente, fortemente aromatico:

Frutti: i semi sono racchiusi in un galbulo legnoso (4 x 2,5 cm),





Convento di Santa Sabina

Vedi in mappa

Il 16 febbraio 1877 la Giunta Liquidatrice dell'Asse Ecclesiastico consegnò al Comune di Roma il terreno compreso tra il convento di Santa Sabina e quello di Sant'Alessio, come attuazione di quanto previsto dalla legge del 1866. L'area assegnata comprendeva la maggior parte del fabbricato del soppresso Convento della Congregazione Somasca in Sant'Alessio e il grande giardino con il cortile. Il giardino, che insiste su un'area rettangolare, è delimitato su uno dei lati maggiori dal prospetto laterale del confinante convento di Santa Sabina. La chiesa di Santa Sabina fu fondata nel 425 da Pietro d'Illiria, mentre il Convento fu fondato da San Domenico nel 1219, quando papa Onorio III (1216-1227) lo donò, con l'attiqua rocca dei Savelli, al Santo per il suo ordine domenicano. Negli anni 1936-39 il convento fu interessato da grandi lavori di restauro, dell'edificio originario si conservano la Sala Capitolare, il Chiostro del XIII sec. la



Carduelis carduelis (Linnaeus, 1758)

Ascolta il verso

Nome scientifico: Carduelis carduelis (Linnaeus, 1758) Uccello molto diffuso con un piumaggio inconfondibile e la testa cerchiata di rosso, sedentario e nidificante nell'area romana. Prediline gli ambienti prativi e gli incolti, ma non disdegna talvolta le aree densamente antropizzate, dove molto spesso rintraccia fonti di cibo alternative a quelle che naturalmente ricerca. Il curioso nomignolo in italiano deriva dal fatto che il cardellino si nutre con golosità dei semi del cardo, soprattutto del cardo rosso. Facilmente avvistabile a Roma in inverno talvolta assieme ad altri passeriforni come il verdone e il verzellino. Specie ormai abituata alla presenza dell'uomo. rintracciabile a volte anche all'interno di giardini provati o di spazi aperti molto frequentati.



Ville di Ror



Cocullo 2013

Cucullo is a good example of action research: a "community of practice" and knowledge, between nature and culture, is active in a joint work with anthropologists (a plan to protect the rite) and herpetologists (a plan to protect the species) with the support of local policy makers, protected areas, mountain communities, inspired by the international conventions (Convention for the Safeguarding of ICH, the Convention on Cultural Diversity, Convention on Biodiversity).



Study Circles - cross border laboratory **Italy-slovenia**

- Study Circles in Italy-Slovenia is a cross border laboratory for the development of human resources and cooperation networks promoting local resources (European territorial cooperation Programme Italy Slovenia 2007-2013, Axis 2 Increase competitiveness and development of a knowledge-based society.)
- The project is a lifelong learning project aimed to support the endogenous natural and cultural potential: it does not propose "prepackaged" activities but rather stimulates the involvement of local actors to invest in their own territory. Adapting population coping strategies toward social change can be fostered through an enlarged educational supply and demand the same timeNesting of initiatives based on self-organisation and closer to local culture in the frame of

adult education is therefore expected .



Study circle and local knowledge



► Study circles have been facilitated on several subject: to mention a few, a study circle on the production of fruit-vegetable gardens (http://www.study-circles.eu/it/frutta-dal-giardino-dellimperatore-rifioritura-della-frutticoltura/158), on the protection of biodiversity and landscape (http://www.study-circles.eu/it/circolo-di-studio-biovagando-tra-saperi-e-sapori/256) as well on local agricultural products.







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Different disciplinary glances can definitely be an asset in their interweaving ... the road is long but fascinating!

Thank you for your attention!