













CHIA: Circular Heritage Impact Assessment services and toolkit

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CHIA represents an innovative proposal for **impact assessment** in cultural heritage sector for **adaptive reuse projects** in the perspective of the **circular economy** that can be adopted by creative and cultural organizations, social entrepreneurs and other industry practitioners.

It has been developed within the Horizon 2020 CLIC project.









Circular models Leveraging Investments in Cultural heritage adaptive reuse

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 Cultural Heritage is a resource for European identity, attractiveness, economic growth and citizens wellbeing and well-living

HOWEVER

its preservation and use presents many binding barriers (architectural, governance, financial etc.) resulting in many heritage buildings and sites abandoned, degraded or underused: a "territorial 'waste" that should be valorized as resource in the perspective of the circular economy / circular city model











- Ongoing experiences show that creative and cultural entrepreneurship can boost heritage regeneration with impacts on the economic growth, new jobs creation, enhancement of social cohesion and urban revitalization, but needs specific support to scale-up and grow.
- CHIA aims at satisfying these needs through supporting services and a toolkit for creative and cultural organizations and heritage-focused entrepreneurs to assess heritage projects and business models, highlighting actual impacts and areas of potential improvement to enhance up-scalability and accountability to public and private investors.









Investment spectrum: from one-dimensional decisions to evaluation of complex multidimensional impacts

primary driver is to create societal value

'blended' societal and financial value

primary driver is to create financial value

Charities

Revenue generating social enterprises

Socially driven business

Traditional business

Impact only

Impact first

Finance first

Impacts Assessment











CHIA Circular Heritage Impact Assessment

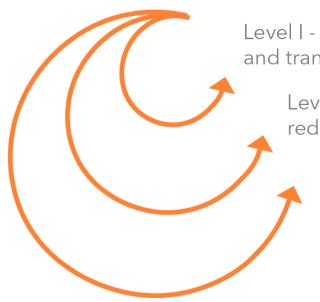
assessment of cultural heritage adaptive reuse multidimensional impacts in the perspective of the Circular Economy

Impacts Assessment

Level I - Cultural heritage values conservation, regeneration and transmission: enlarging the lifetime of heritage

Level II - Circularity of conservation works: reuse and reduce materials, energy, water and soil consumption

Level III - Positive impacts in the area/city/ region linked to enhanced place attractiveness: regenerating economic, social, environmental and cultural resources



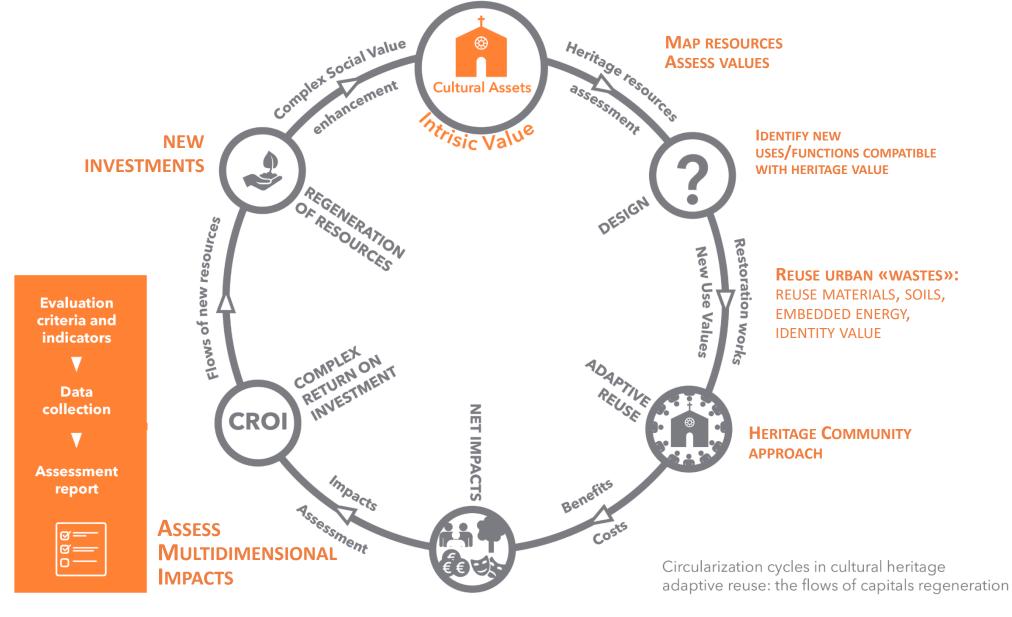






















- CHIA provides focused business services and a practical tool to assess the impacts and performances of cultural heritage adaptive reuse projects under the framework of the circular economy.
- CHIA is based on a heritage impact assessment methodology that considers historic-cultural attributes
 and values, as well as economic-financial self-sustainability, economic spillovers, social and environmental
 impacts.
- The toolkit is based on assessment criteria and a set of quantitative and qualitative indicators that define three levels of circularity:
- ✓ L-I Cultural values conservation;
- ✓ L-II Circularity of building construction;
- ✓ L-III Multidimensional impacts generated in the area/district/city/region.
- Heritage reuse projects are scanned through a set of criteria/indicators, making evident actual impacts and areas of potential improvement.











 CHIA services and toolkit support particularly non-profit organizations and social enterprises to become more accountable for the impact investment funds category, which decisions are grounded on clear and transparent evaluation of financial returns 'blended' with social impacts.

• CHIA will be tested in real environment with organizations based in the cities of Salerno (Italy), Rijeka (Croatia) and Amsterdam (Netherlands) and in Västra Götaland Region (Sweden).









A New Investment Framework for Cultural Heritage

Francesca Medda, UCL LIFTech f.medda@ucl.ac.uk



Urban Heritage Development Fund







URBAN HERITAGE DEVELOPMENT FUND

The **Urban Heritage Development Fund** proposed for cities, is a fund designed to support investments at urban level through the creation of a portfolio of urban projects which must follow the strategic vision of the city and aims to achieve financial returns as well as environmental and social impacts (non-financial impacts), with three revolving/cycle mechanisms.



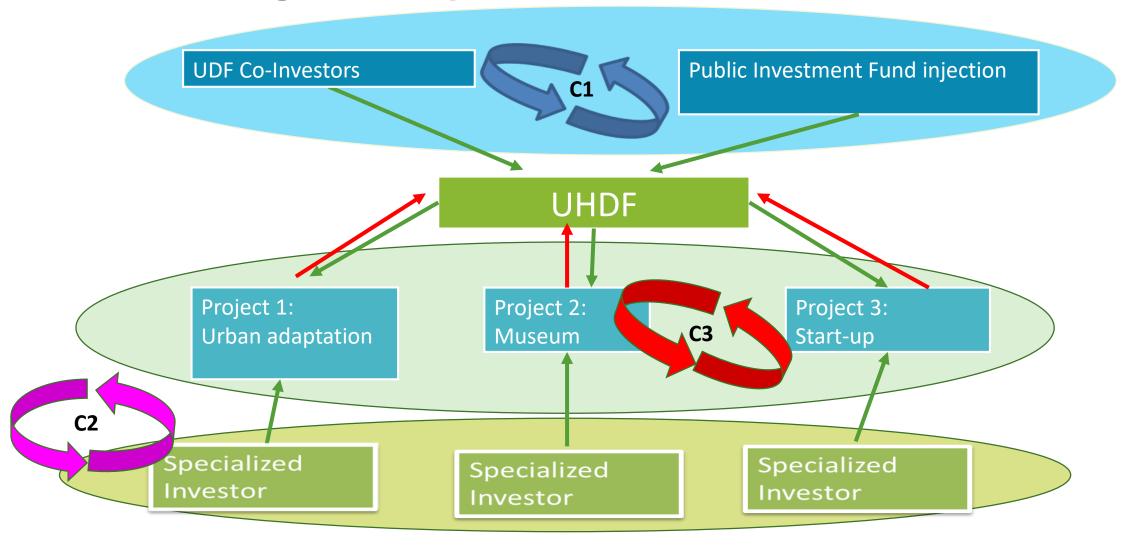
To produce the Urban Heritage Development Fund which is constituted

by **three financial circularity**:

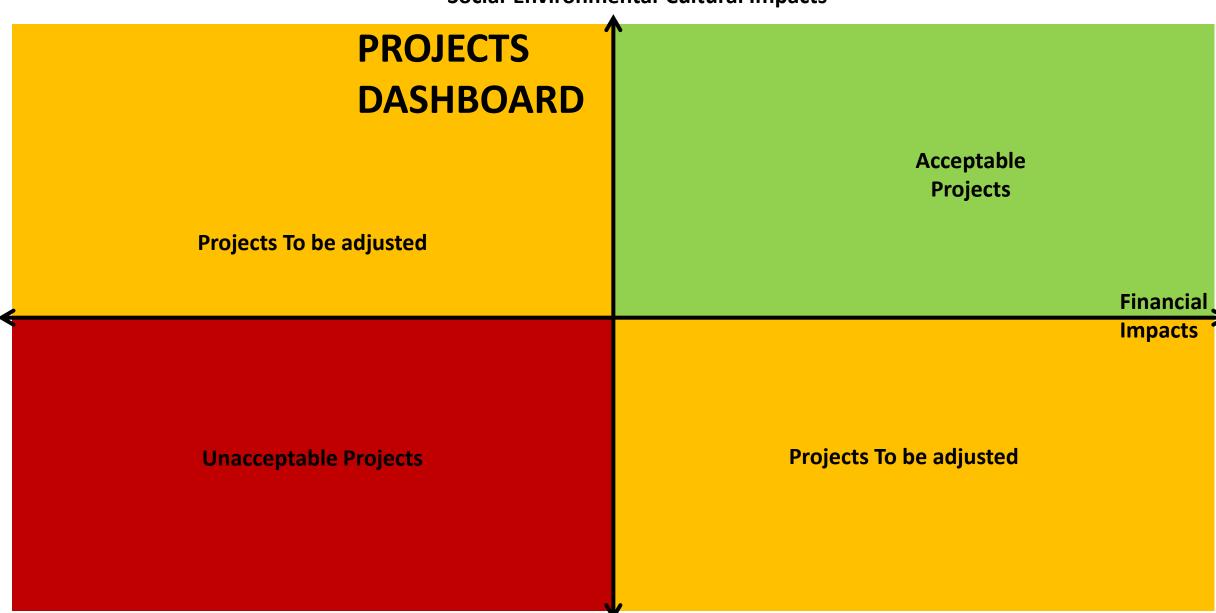
Three revolving financial mechanisms which re-invest the returns of the investments and replenish the fund.

A portfolio of cultural heritage projects which create a combination of projects which have a financial and impact returns.

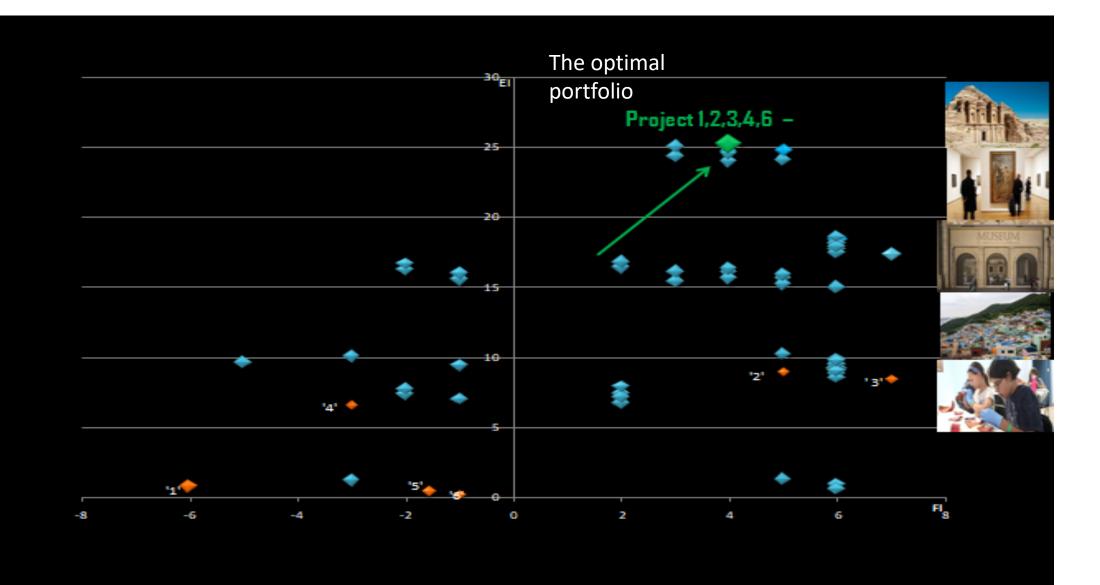
Urban Heritage Development Fund



Social-Environmental-Cultural Impacts









Urban Heritage Development Fund for urban investments.

Three cycles in order to create a total revolving fund.

The multiplier factor among projects allows for the implementation of projects with low financial returns but with high economic impacts without the need for grants or State Aid.

The diversification of the project portfolio leads to the decrease of financial risk and thus attracts the support of private sector participation in urban investment.











SUSTAINABLE GALS





































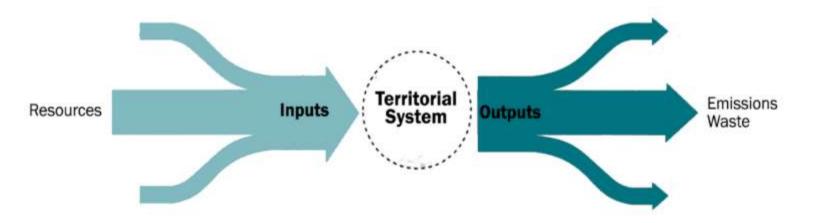


Circular models Leveraging Investments in Cultural heritage adaptive reuse

CIRCULAR ECONOMY

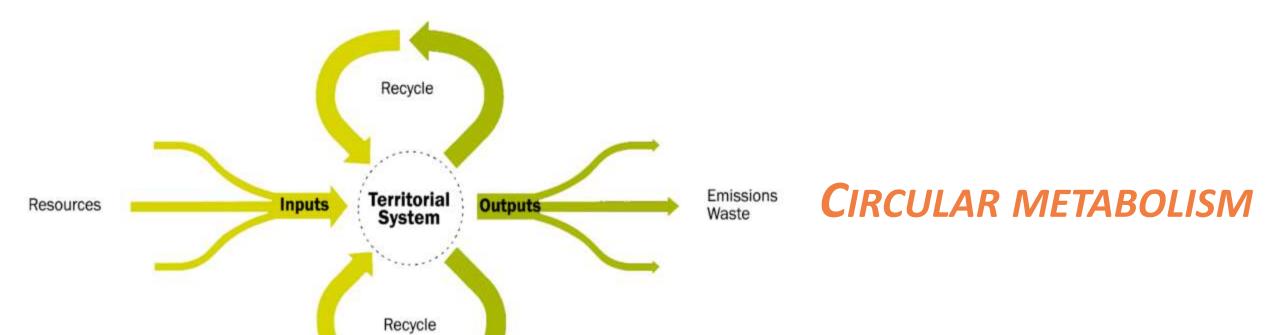






(ROGERS, 1996)

LINEAR METABOLISM











TASK FORCE

CIRCULAR BUSINESS AND FINANCIAL MODELS FOR CULTURAL HERITAGE ADAPTIVE REUSE IN CITIES







«COMPLEX» RETURN

SOCIAL IMPACT ONLY

«BLENDED» ECONOMIC-FINANCIAL, ENVIRONMENTAL AND SOCIAL VALUE CREATION

FINANCIAL RETURN ONLY

#GreenBonds

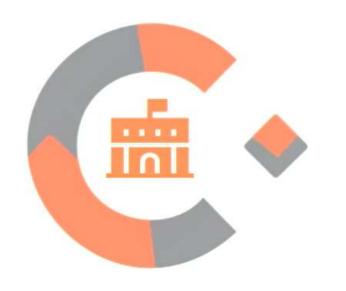
#Crowdfunding

#RevolvingFunds

#SocialImpactBonds

#LandValueCapture

#ImpactInvestments



CULTURAL HERITAGE ADAPTIVE REUSES IN CLIC CITIES AND REGION





PAKHUIS DE ZWIJGER

before



Urban area attractor

Renewables

City makers hub

PPP with social purpose

Self-sustainable economic model







DE CEUVEL COMMUNITY, AMSTERDAM



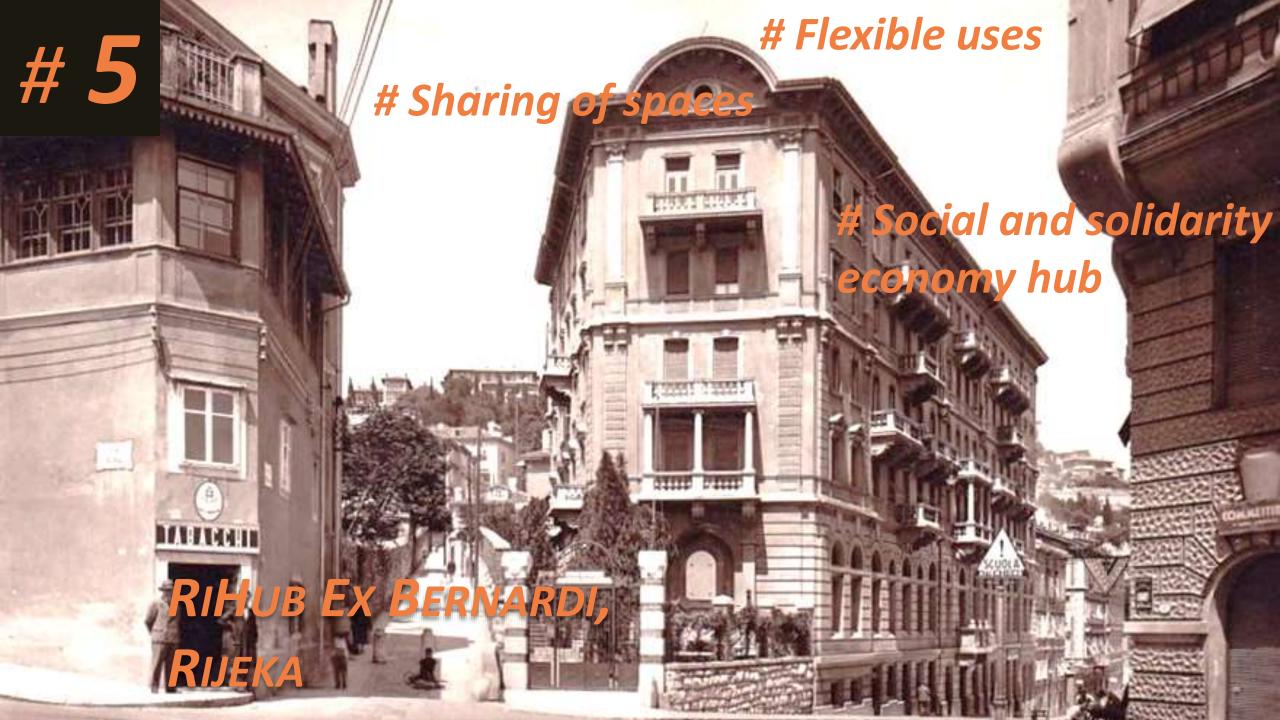












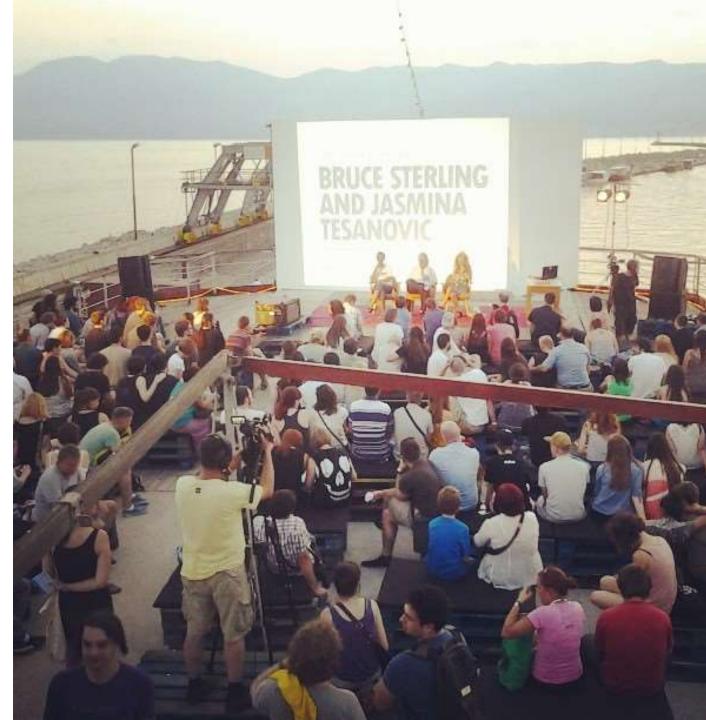




GALEB BOAT, RIJEKA



GALEB BOAT, RIJEKA







REUSE OF
STRÖMSFORS
AND UDDEBO
RURAL
INDUSTRIAL AREA



UDDEBO **COMMUNITY**



UDDEBO COMMUNITY

#8

FENGERSFORS



NOT QUITE DBUTIK productions

FENGERSFORS









URBAN AGENDA FOR THE EU # PARTNERSHIP CIRCULAR ECONOMY # PARTNERSHIP CULTURE AND CULTURAL HERITAGE

