













TOWARDS AN EDIBLE CARTHAGE THE NEED FOR A NEW MODEL OF GOVERNANCE

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CARTHAGE: SMALL COASTAL CITY / N-E TUNIS WITH A RICH AND MULTI-LAYERED HISTORY



Localization: NE Tunisia
Total Surface: 640 ha

Total Surface: 640 ha Archeological zone 407 ha

World Heritage Site 1979

National Park: 1985

Population: 19200

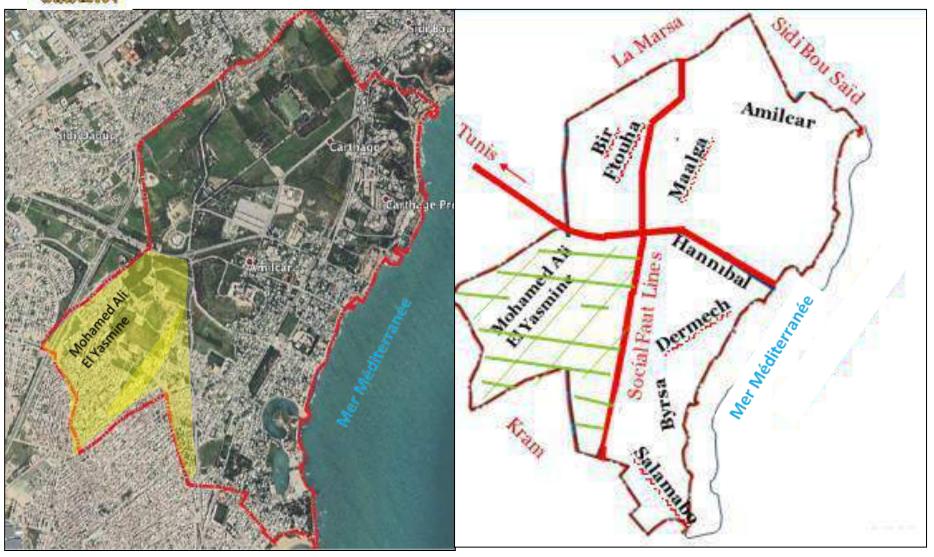


URBAN SETTING « Yellow Map », 2022 **Urban Management Map, 2006** Loi n° 94-122 du 28 novembre 1994 Loi n° 94-35 du 24 février 1994 ARCHAEOLOGICAL PARK P. Infrast



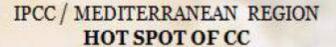
SOCIO-ECONOMIC DISPARITIES

Eastern Carthage is a more well off and less densely populated part. **Western Carthage** is densely populated and has higher levels of disadvantaged citizens.



CARTHAGE

WORLD HERITAGE CITY - SITE UNDER PRESSURE





CONVENTION / PROTECTION WCNH WORLD HERITAGE COMMITEE

CULTURAL POLICY CHALLENGES

ENVIRONMENTAL CHALLENGES



ECONOMIC CHALLENGES

SOCIAL CHALLENGES



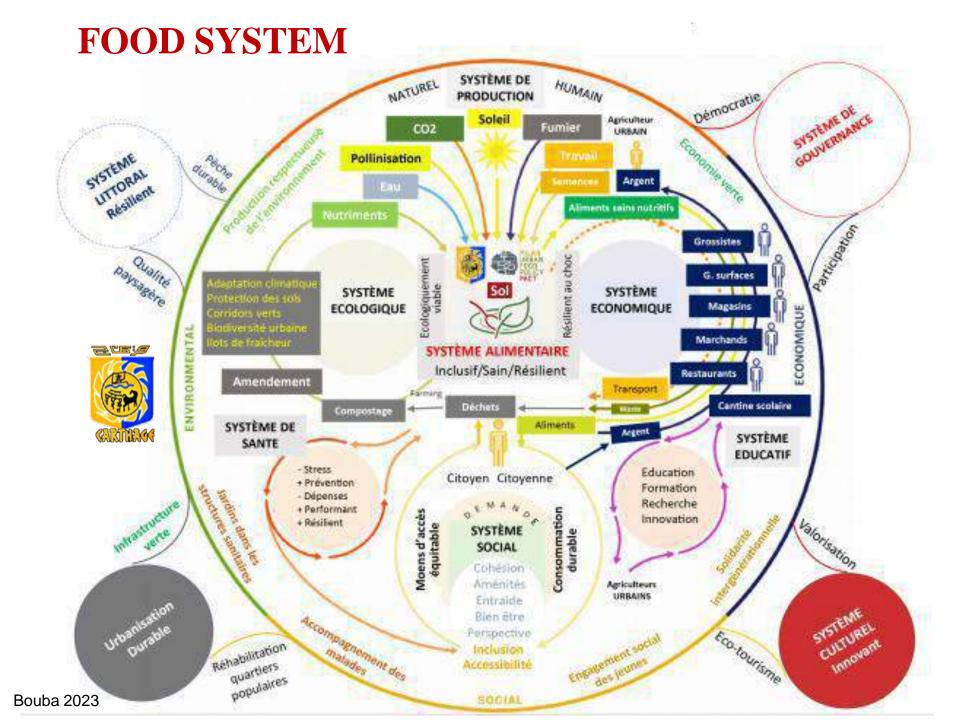
SYSTEM DEVELOPMENT

PARTICIPATORY INTEGRATIVE PLANNING APPROACHES



Transition Pathway







SOCIETAL CHALLENGES

Advocacy Note, 2023

Economies & employment



>>> stimulate the economy and address youth unemployment

Accomment Goal: <<< 8 Decent work & economic growth

Social cohesion



>>> improve social cohesion

<<< meeting Sustainable Development Goal: <<</p>
10 Reduced inequalities

Archaeological sites



>>> address inertia of archaeological sites and their inhibition of development dynamics

*<< meeting Sustainable Development Goal: <<</p>
11 Sustainable cities and communities

Protected coastline



>>> address coastline degradation

A
< meeting Sustainable Development Goal: <<</p>
14 Life below water

Responsible institutions



>>> better network responsible public institutions and actors of change

*<< meeting Sustainable Development Goal: <<< 16 Peace, justice and strong institutions & 11 Sustainable cities and communities

Circular systems



>>> improve water availability & access and waste management

<<< meeting Sustainable Development Goal: <<< 6 Clean water and sanitation & 12 Responsible consumption and production & 11 Sustainable cities and communities

Food autonomy



>>> increase food autonomy within Grand Tunis and beyond

<< meeting Sustainable Development Goal: <<</p>
1 No poverty & 2 Zero hunger &

1 No poverty & 2 Zero hunger & 12 Responsible consumption and production

Behaviour change



>>> support education and behaviour change

<<< meeting Sustainable Development Goal: <<</p>
4 Quality education & 2 Zero hunger

Sustainable fisheries



>>> improve fisheries, also with regard to fishing in protected archaeological sites

<<< meeting Sustainable Development Goal: <<</p>
14 Life below water & 2 Zero hunger

Biodiversity



>>> strengthen local biodiversity

A comparing Sustainable Development Goal: <<</p>
15 Life on land

EXAMPLES OF RELEVANT EXISTING « ECS »













PRIVATE OPEN SPACES

'S PRIVATE OPEN SPACES

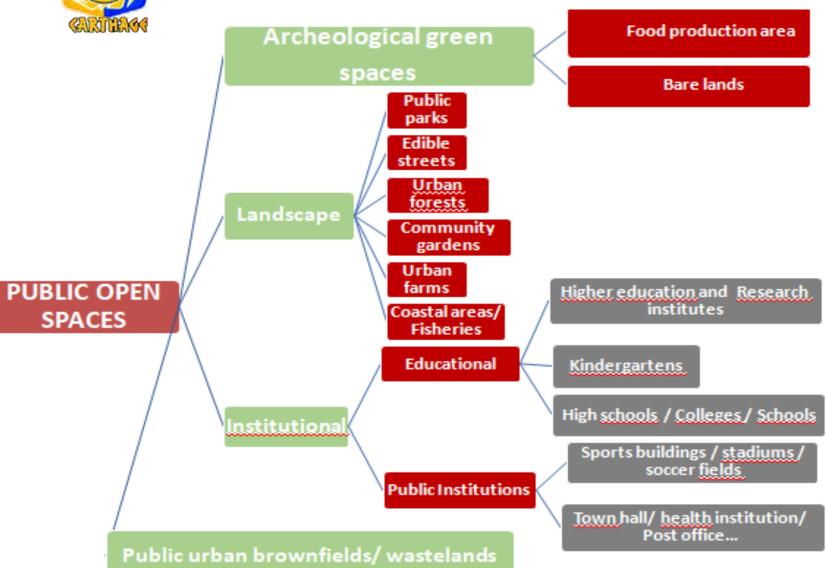


Residential open Private gardens spaces Gardens within buildings **Collectively-used** open spaces Community gardens **Commercial open** Urban microfarms spaces Archaeological Open" grazing lands open spaces



'S PUBLIC OPEN SPACES







POTENTIAL OPEN SPACES

Archeological Open Space





Public Open Space





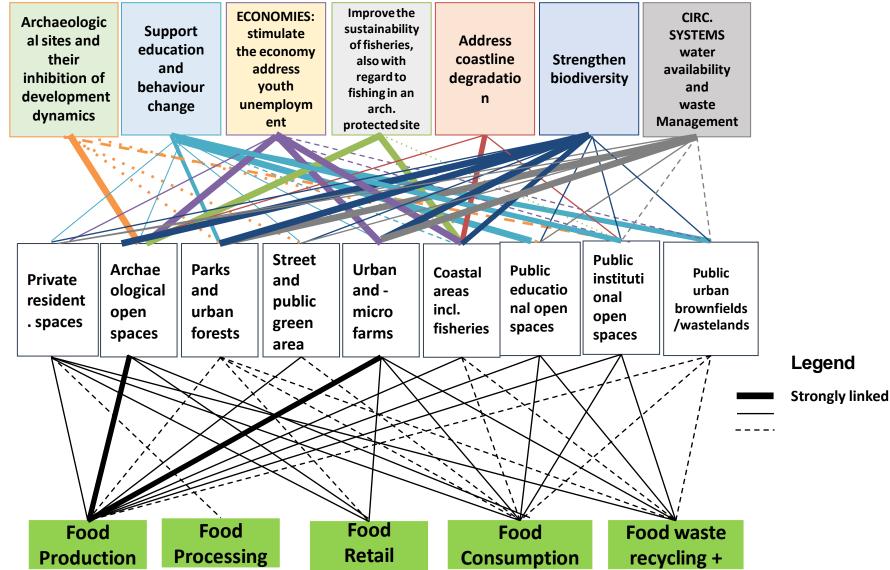






'S SOCIETAL CHALLENGE VS / OPEN SPACES





FOOD MAP



CLASSIFICATION DES ESPACES OUVERTS

Joden space passafication

Espaces ouverts publics de la qualité paysage (public speti page d'infessage query)

Espaces ouverts publics éducatifs et institutionnels

Espaces ouverts archéologiques (publics et privés) (archaeologica que spicas (public are privas))

L'agriculture urbaine dans les zones archéologiques justin agriculture in archéologique avaig

Espaces ouverts privés

(privide open spaces)

Espaces ouverts privés commercials (privée commercial open spaces)

Zones côtières

[coasis areas]

Routes importantes et ligne ferroviaire (TGM) important route and tree the (TGM)

Limite der Carthage (boursey of Carthage)

Zones socio-géographiques (soci-géographica zones)

Projet existant de la production alimentaire

(seating food growing project)

Territor di production de presentino de presentino

Projet existant de l'élevage du bétail

(seeing prestock breeding project)

CLASSIFICATION DES ACTIVITÉS DE SYSTÈME ALIMENTAIRE

[classification of existing food system activities]

Production alimentarie was productive

--- vor les espacis de production almertiens c-dessus

Traitement des aliments (sod procesurs)

Sur le arte de production jon me production ate;

Entreprises de traitement (processing buennesse).

Boulangerie (bakes)

Vente au détail de produits alimentaires your vent

Epicerte (grocery store)

Marcha local (local/napar)

Supermarché (supernance):

Consommation alimentaire (see consumptor).

Hantauration rapide locale Societies food

(i) Replaination rapide (talt foot)

(i) Restaurent gentronomique (galeronomic resourant)

Control (Note)

Recyclage des déchets alimentaires (tou aure recycling)

Installations de compostage (conposting facilitée)



SCENARIO DEVELOPMENT

PARTICIPATORY INTEGRATIVE PLANNING APPROACHES



Transition Pathway



EDIBLE CITY STRATEGY



3 food-focused urban visions carry our _big vision for an Edible Carthage - an inclusive, vibrant and resiliant city rich in history and rich in future.



4 urban development concepts are the starting points for rethinking local strategies that help our community to transition into an Edible City.



10 societal challenges

have been identified in Carthage that need to be addressed most urgently. Food can be (part of) their solutions.



food-focused projects & actions can be small or large, temporary or permanent, publicly- or privately-led, social, environmental or economic.



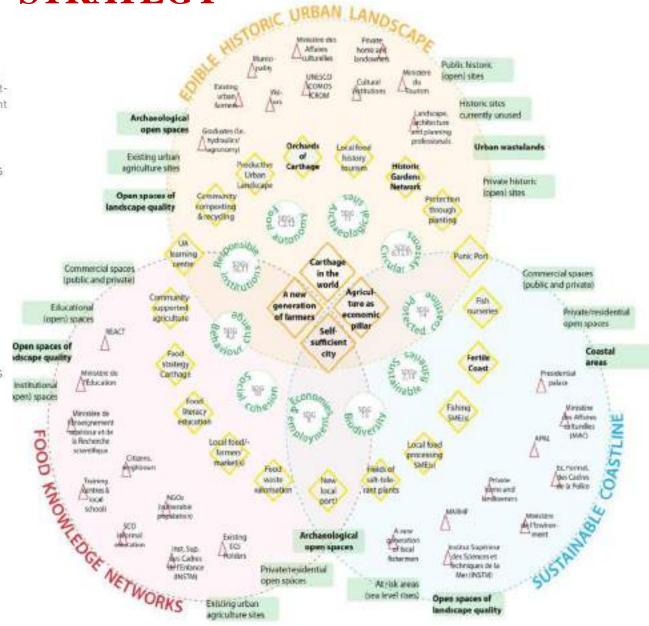
an open space classification

has been developed to better identify sites and pieces of land suitable for food grawing and other activities.



many local stakeholders

came forward already expressing their interest to callaborate in a more loadfocused urban development.





TRANSFER DEVELOPMENT

PARTICIPATORY INTEGRATIVE PLANNING APPROACHES



Transition Pathway

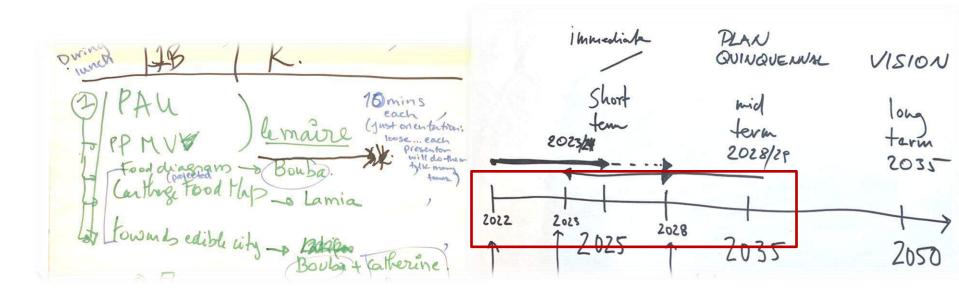


WORKSHOP CARTHAGE

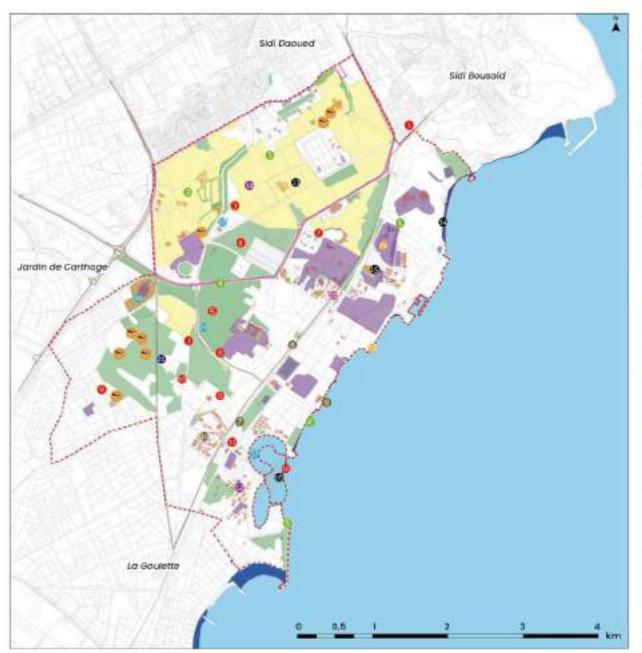


MASTER PLAN / PAU-PPMV

TIMES-SCALE / POLITICAL MILESTONE



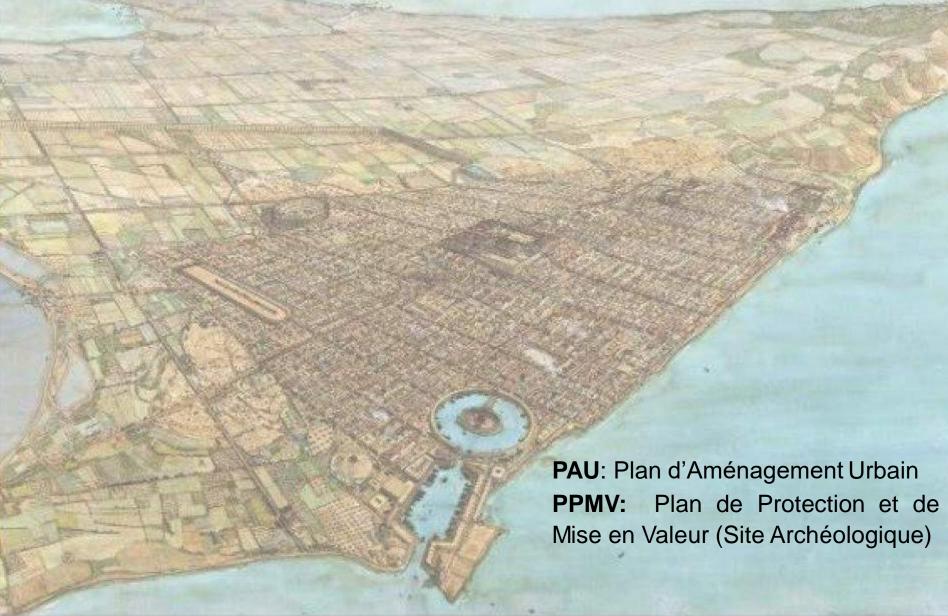
MASTER PLAN



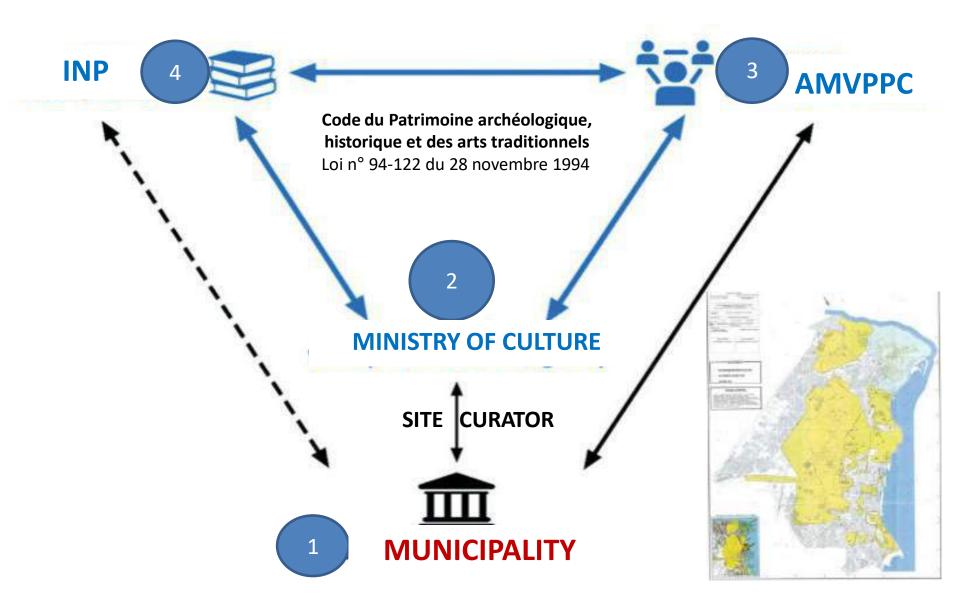
LEGENDE



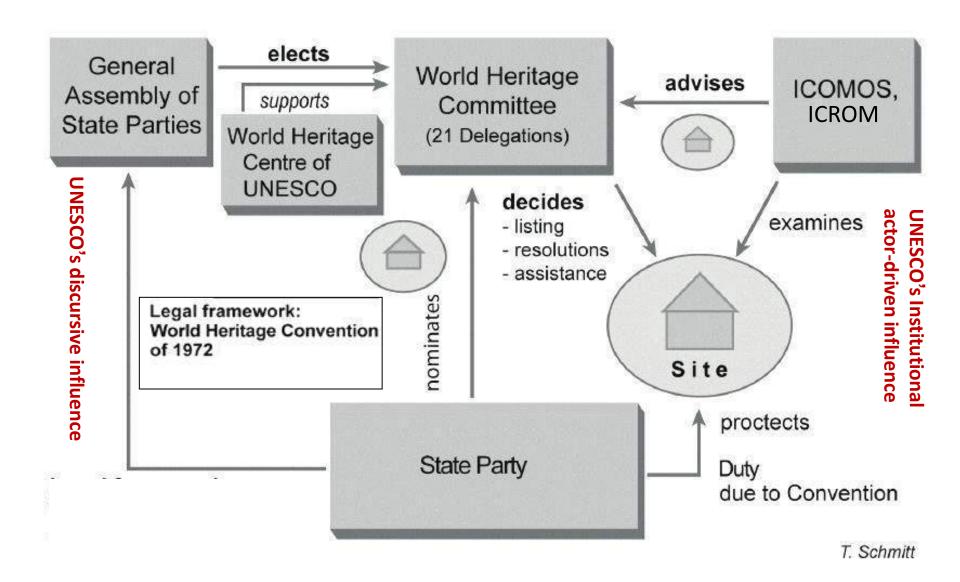




GOVERNANCE STRUCTURE IN THE TUNISIAN HERITAGE SYSTEM

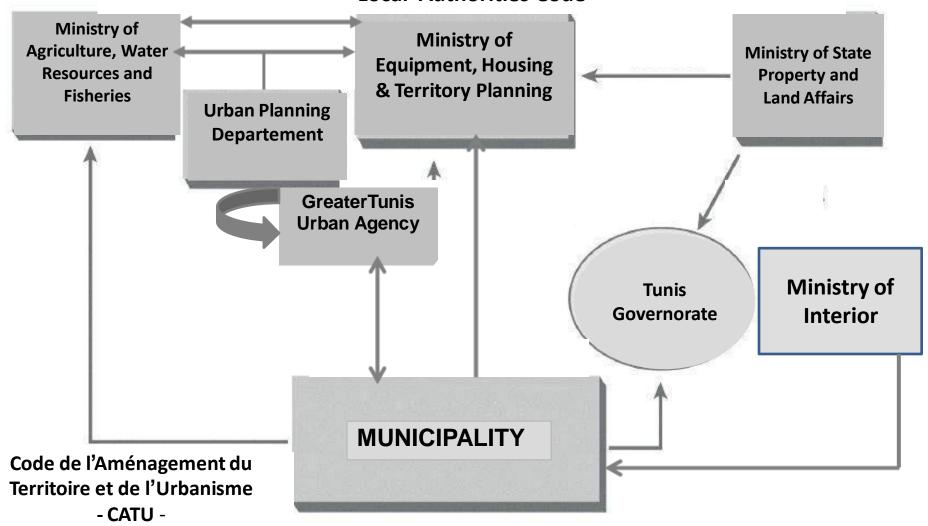


GOVERNANCE STRUCTURE IN THE WORLD HERITAGE SYSTEM



GOVERNANCE STRUCTURE IN TUNISIAN URBAN PLANNING SYSTEM

Management and Urban Planning Code- CATU – Local Authorities Code





FLEXIBLE INCLUSIVE GOVERNANCE

EVENTS

PATTERNS

UNDERLYING STRUCTURES

MENTAL MODELS

REACT

Urban planners, still less engaged in food-related issues, the ultra-conservatives of heritage cling to the "yellow map" and social tensions escalate

ANTICIPATE

Taking actions based on narratives discourses and debate without significant results and sustainabilty

DESIGN

Developing a more coherent policies based on Thinking Systems analysis and Political economy approach .

TRANSFORM

Considering Values, Norms and Principles that underline the design of Flexible Inclusive Governance processes

