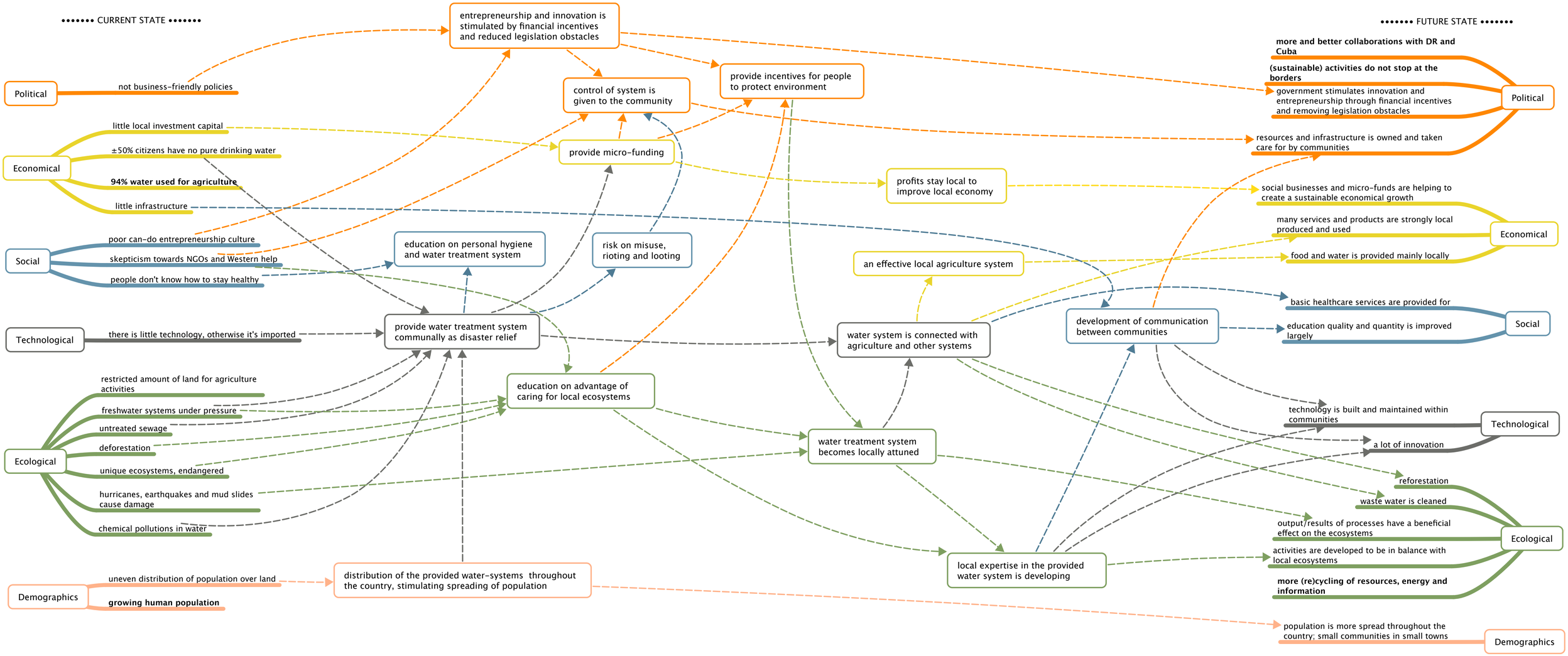
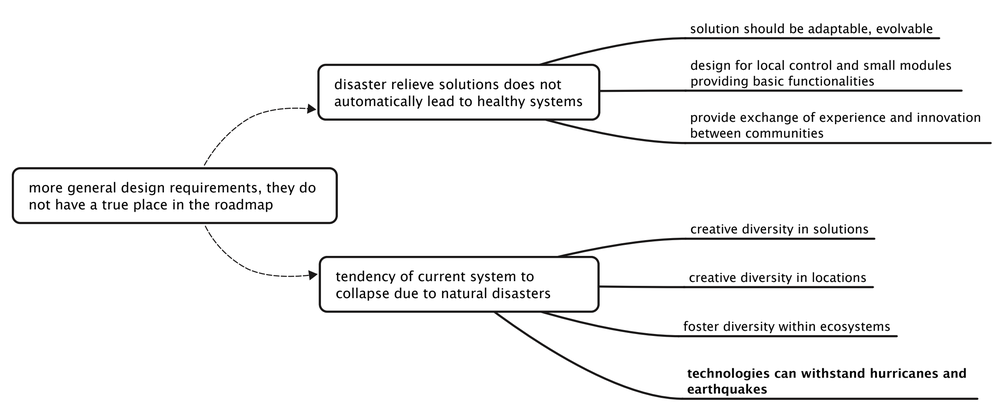

••••••• CURRENT STATE •••••••
••••••• FUTURE STATE •••••••
Political
not business-friendly policies
Economical
little local investment capital
±50% citizens have no pure drinking water
94% water used for agriculture
little infrastructure
Social
poor can-do entrepreneurship culture
skepticism towards NGOs and Western help
people don't know how to stay healthy
Technological
there is little technology, otherwise it's imported
Ecological
restricted amount of land for agriculture activities
freshwater systems under pressure
untreated sewage
deforestation
unique ecosystems, endangered
hurricanes, earthquakes and mud slides cause damage
chemical pollutions in water
Demographics
uneven distribution of population over land
growing human population
entrepreneurship and innovation is stimulated by financial incentives and reduced legislation obstacles
control of system is given to the community
provide incentives for people to protect environment
provide micro-funding
profits stay local to improve local economy
education on personal hygiene and water treatment system
risk on misuse, rioting and looting
an effective local agriculture system
provide water treatment system communally as disaster relief
water system is connected with agriculture and other systems
development of communication between communities
education on advantage of caring for local ecosystems
water treatment system becomes locally attuned
local expertise in the provided water system is developing
distribution of the provided water-systems throughout the country, stimulating spreading of population
more and better collaborations with DR and Cuba
(sustainable) activities do not stop at the borders
government stimulates innovation and entrepreneurship through financial incentives and removing legislation obstacles
Political
resources and infrastructure is owned and taken care for by communities
social businesses and micro-funds are helping to create a sustainable economical growth
many services and products are strongly local produced and used
food and water is provided mainly locally
Economical
basic healthcare services are provided for
education quality and quantity is improved largely
Social
technology is built and maintained within communities
a lot of innovation
Technological
reforestation
waste water is cleaned
output/results of processes have a beneficial effect on the ecosystems
activities are developed to be in balance with local ecosystems
more (re)cycling of resources, energy and information
Ecological
population is more spread throughout the country; small communities in small towns
Demographics


more general design requirements, they do not have a true place in the roadmap
disaster relieve solutions does not automatically lead to healthy systems
solution should be adaptable, evolvable
design for local control and small modules providing basic functionalities
provide exchange of experience and innovation between communities
tendency of current system to collapse due to natural disasters
creative diversity in solutions
creative diversity in locations
foster diversity within ecosystems
technologies can withstand hurricanes and earthquakes