

Environmental policy on soil protection in the Basque Country

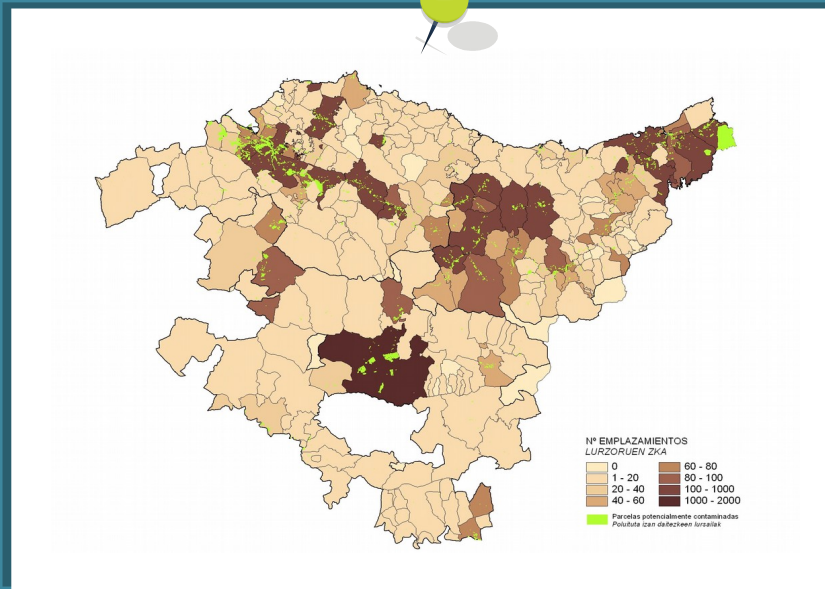
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Vitoria-Gasteiz, 11th October 2018



Industrialization

12.400 potentially contaminated sites



Risk

3.500 Ha contaminated sites

Orography

19% "useful" soil

Contaminated sites in urban and periurban areas

Urban development

Driving force: Spatial planning

Planned actions in 51% potentially contaminated surface



OUR GOALS

PREVENT
new soil
contamination

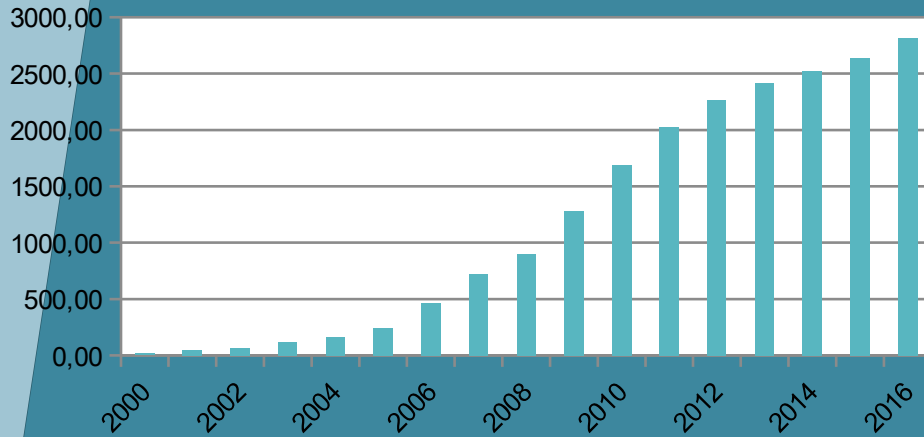
Rational
REMEDICATION
of contaminated
sites

REUSE
polluted sites

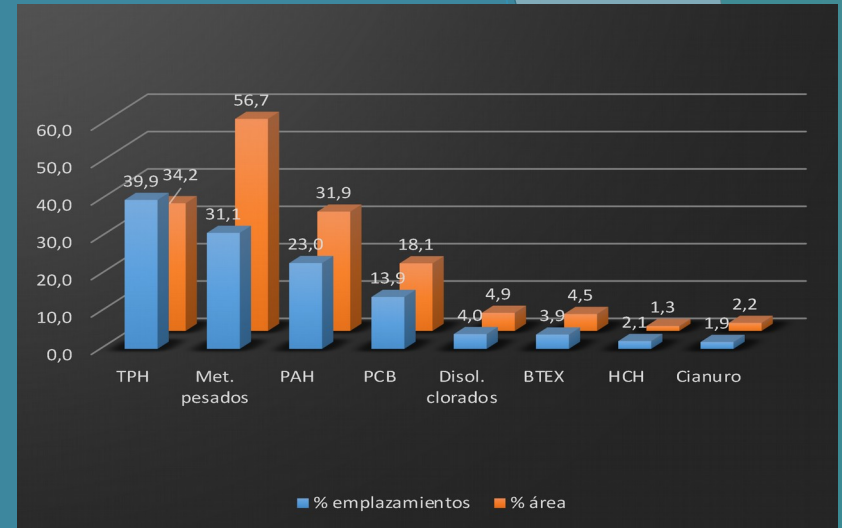
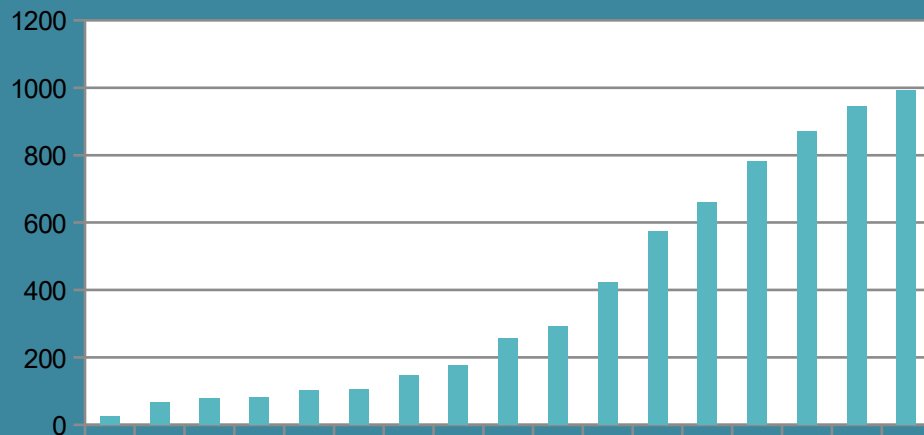
GIVE VALUE
to soils out of
the
“urbanistic”
market



Investigated surface (Ha)



Remediated surface (Ha)



12.400 potentially contaminated sites
 2.600 investigated sites
 875 remediated sites









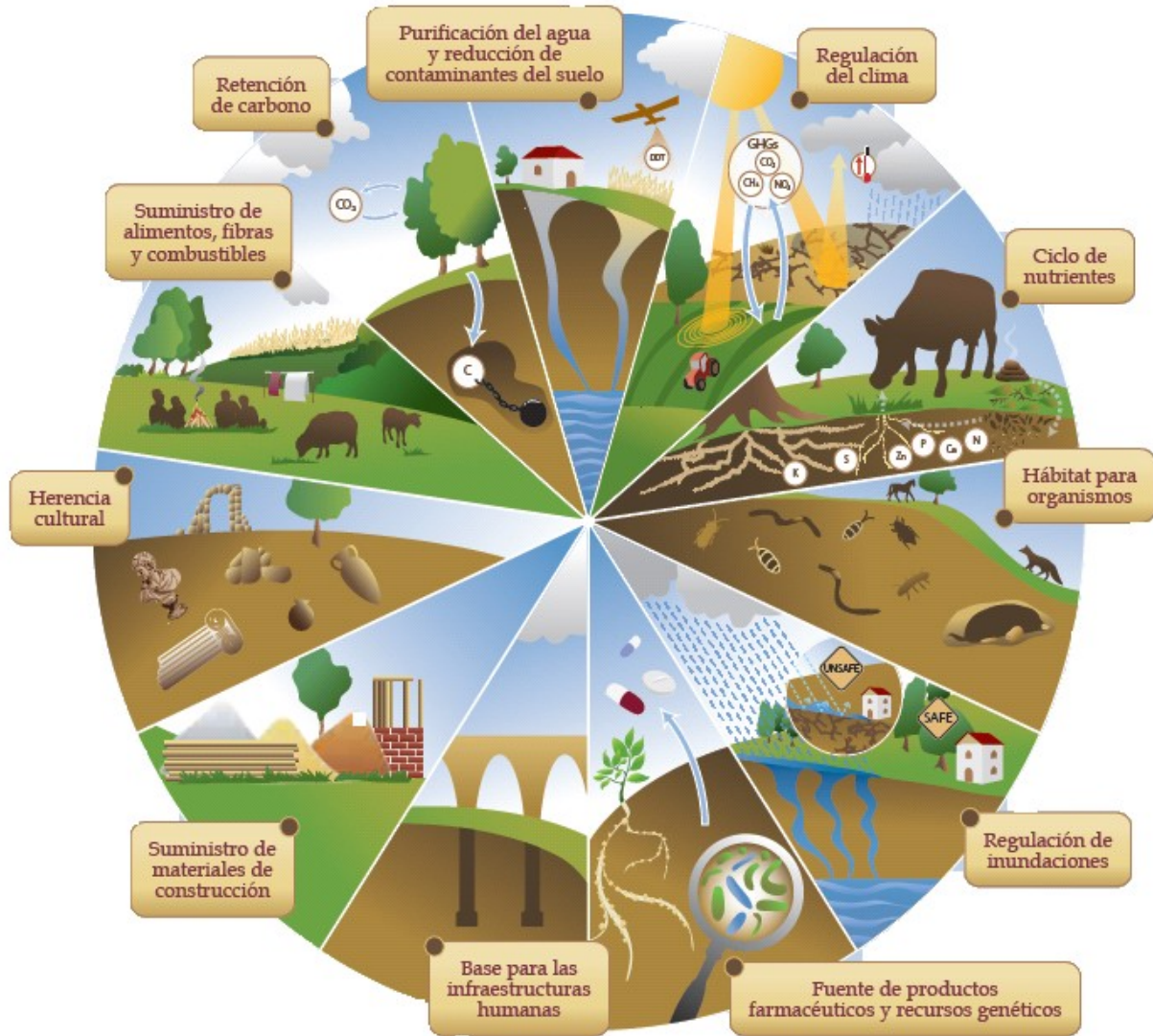
New DEVELOPMENTS

**LAW 4/2015 on
contaminated
sites
management**

A new
**CONTAMINATED
SITES
PLANIFICATION**
(in preparation)

**NEW DECREE on
administrative
and technical
procedures**
(in preparation)

**STRATEGY FOR
SOIL
PROTECTION** (in
preparation)





Sustainable Developments Goals (SDGs)

1 NO POVERTY 	2 NO HUNGER 	3 GOOD HEALTH 	4 QUALITY EDUCATION 	5 GENDER EQUALITY 	6 CLEAN WATER AND SANITATION
7 RENEWABLE ENERGY 	8 GOOD JOBS AND ECONOMIC GROWTH 	9 INNOVATION AND INFRASTRUCTURE 	10 REDUCED INEQUALITIES 	11 SUSTAINABLE CITIES AND COMMUNITIES 	12 RESPONSIBLE CONSUMPTION
13 CLIMATE ACTION 	14 LIFE BELOW WATER 	15 LIFE ON LAND 	16 PEACE AND JUSTICE 	17 PARTNERSHIPS FOR THE GOALS 	

THE GLOBAL GOALS
For Sustainable Development



SUSTAINABLE DEVELOPMENT GOAL 15

Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss



15.3

15.3 By 2030, combat desertification, restore degraded land and soil, including land affected by desertification, drought and floods, and strive to achieve a **LAND DEGRADATION NEUTRAL WORLD**



2 ZERO HUNGER



By 2030, double the agricultural productivity and incomes of small-scale food producers, in particular women, indigenous peoples, family farmers, pastoralists and fishers, including through **SECURE AND EQUAL ACCESS TO LAND**, other productive resources and inputs, knowledge, financial services, markets and opportunities for value addition and non-farm employment

2.3

By 2030, **ENSURE SUSTAINABLE FOOD PRODUCTION SYSTEMS AND IMPLEMENT RESILIENT AGRICULTURAL PRACTICES** that increase productivity and production, that help maintain ecosystems, that strengthen capacity for adaptation to climate change, extreme weather, drought, flooding and other disasters and that progressively improve land and soil quality.

2.4



3 GOOD HEALTH
AND WELL-BEING

3.9

By 2030, substantially reduce the number of deaths and illnesses from hazardous chemicals and air, water and **SOIL POLLUTION AND CONTAMINATION**

6 CLEAN WATER
AND SANITATION



6.6

By 2020, protect and restore water-related ecosystems, including mountains, forests, wetlands, **RIVERS, AQUIFERS AND LAKES**

8 GOAL 8
DECENT WORK
& ECONOMIC
GROWTH



8.4

Improve progressively, through 2030, **GLOBAL RESOURCE EFFICIENCY** in consumption and production and endeavour to decouple economic growth from environmental degradation, in accordance with the 10-year framework of programmes on sustainable consumption and production, with developed countries taking the lead



12 RESPONSIBLE CONSUMPTION AND PRODUCTION



12.2

By 2030, achieve the **SUSTAINABLE MANAGEMENT AND EFFICIENT USE OF NATURAL RESOURCES**

12.4

By 2020, achieve the environmentally **SOUND MANAGEMENT OF CHEMICALS AND ALL WASTES** throughout their life cycle, in accordance with agreed international frameworks, and significantly **REDUCE THEIR RELEASE TO AIR, WATER AND SOIL** in order to minimize their adverse impacts on human health and the environment



11 SUSTAINABLE CITIES AND COMMUNITIES



11.3

By 2030, **ENHANCE INCLUSIVE AND SUSTAINABLE URBANIZATION** and capacity for participatory, integrated and sustainable human settlement planning and management in all countries

11.4

Strengthen efforts to protect and safeguard the world's **CULTURAL AND NATURAL HERITAGE**

11.9

By 2020, substantially increase the number of cities and human settlements adopting and implementing **INTEGRATED POLICIES AND PLANS TOWARDS INCLUSION, RESOURCE EFFICIENCY, MITIGATION AND ADAPTATION TO CLIMATE CHANGE**, resilience to disasters, and develop and implement, in line with the Sendai Framework for Disaster Risk Reduction 2015-2030, holistic disaster risk management at all levels



INDUSTRY AND WASTE
MANAGEMENT

AGRICULTURE AND
FORESTRY

CLIMATE CHANGE

THREATS

Local
contamination
of soil and water

Diffuse contamination
of soil and water

Salinization

Erosion

Soil compaction

Floodings/
landslides

Biodiversity
decline

Organic matter
decline

Soil sealing

SPACE PLANNING
AND URBANISM

TRANSPORT AND
CIVIL WORKS

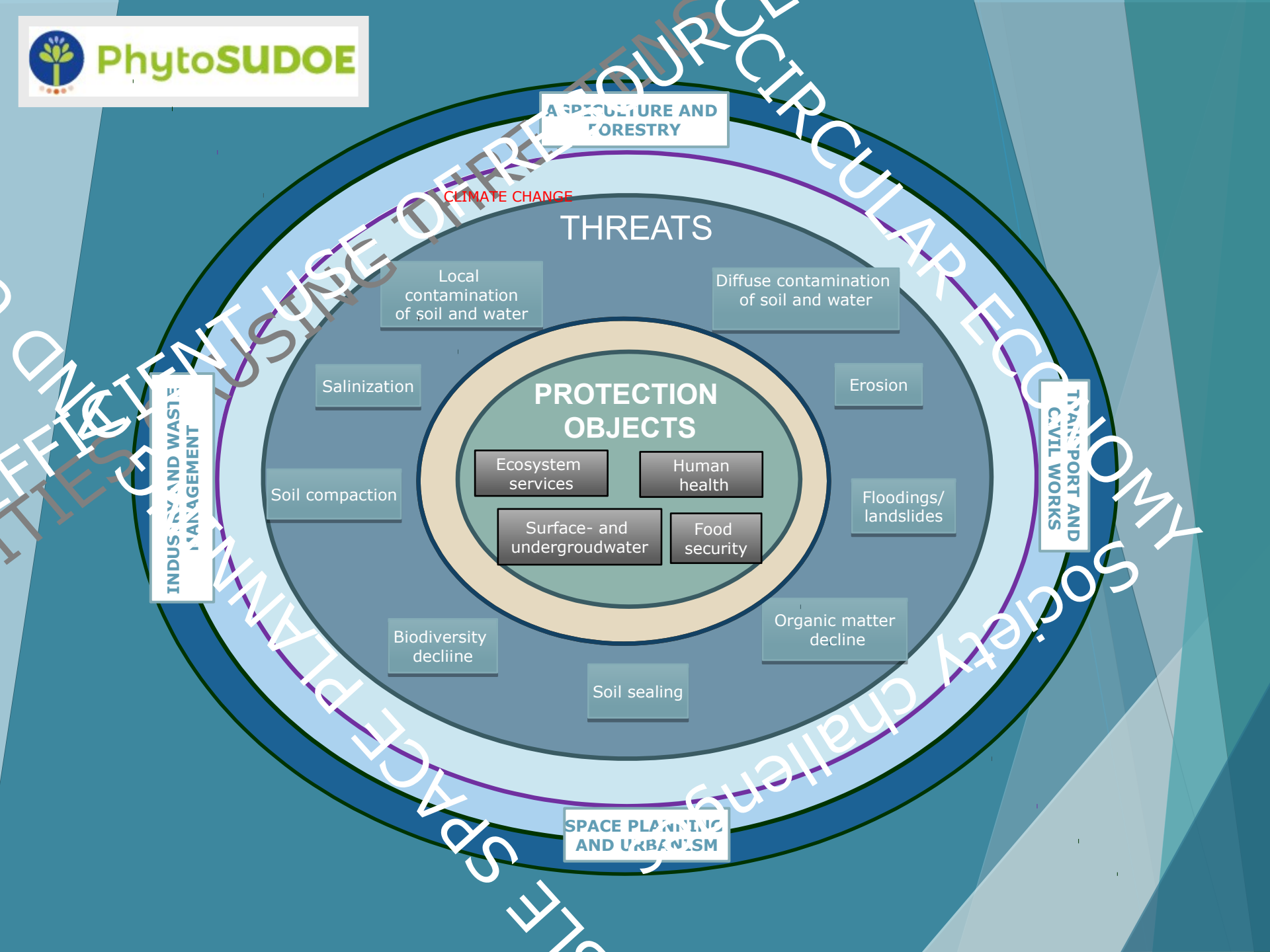
PROTECTION OBJECTS

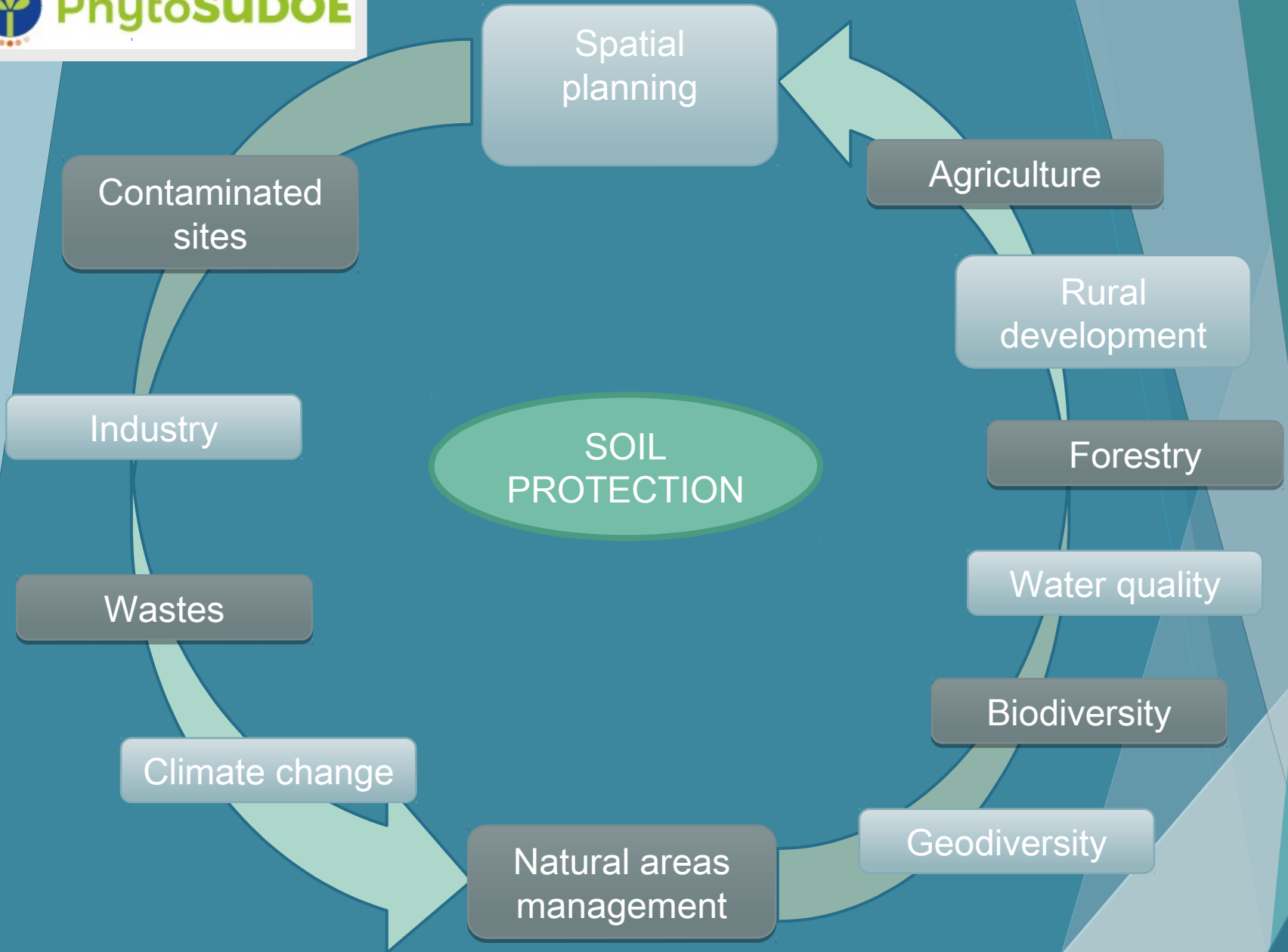
Ecosystem
services

Human
health

Surface- and
undergroundwater

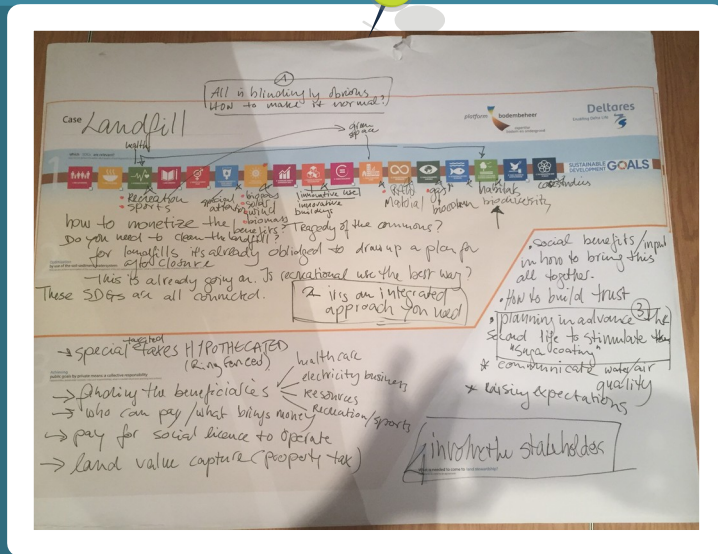
Food
security







An old new concept: SOIL AND LAND STEWARDSHIP



“In its broader sense, land stewardship is the recognition of our collective responsibility to retain the quality and abundance of our land, air, water and biodiversity, and to manage this natural capital in a way that conserves all its values”

(Canadian Centre for Stewardship)

- ▶ Landfills
- ▶ River banks affected by diffuse contamination
- ▶ Diffuse pollution in agricultural land
- ▶ Groundwater diffuse pollution in industrial areas



PhytoSUDOE



EUSKO JAURLARITZA
GOBIERNO VASCO



ihobe
ingurumen hobekuntza
mejora ambiental