

ESPON – TITAN Andalusia Study Case

Oficina de Cambio Climático/ Climate Change Office Regional Government of Andalusia

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Junta de Andalucía

Andalusia



Southest region of continental Spain

87,500 km²

8.5 million inhabitants

Specially vulnerable

2 seas, Mediterranean Climate

Regional, almost federal government

More than 20% Surface in protected areas







High vulnerability (ESPON - AR5)

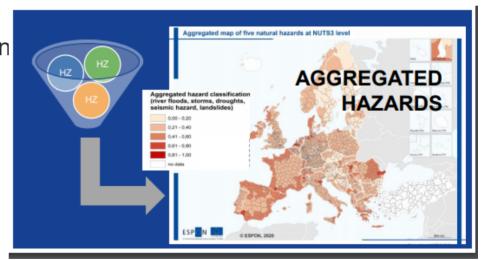
Strong economic impact from tourism an agriculture

Droughts

Earthquakes

Flood

Cold drop - Katabatic wind



Disaster Risk Management in the Andalusia region. Framework





Territorial Emergency Plan of Andalusia

Drought management

Risk Plan for the Andalusian agricultural sector

National Agricultural Insurance System– Agroseguro

Flood Risk Management Plans

Civil Protection – PGRI

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Commission for Catastrophes, Natural Disasters and Adverse Meteorological Phenomena

Rural Development Program of Andalusia 2014-

Adaptation in Andalusia

Andalusia Climate Action Plan. Adaptation Program

Law 8/2018 of measures against Climate Change

Irrigation Design and Irrigation Planning

Adaptation strategies for crops

Indicators for agriculture and climate change

Training programs for farmers

Greater prominence to incentive sustainable agricultura

Promotion of energy generation coordinating



Spatial planning



Organisation:

Regional government has responsibilities.

One main plan! POTA (Andalusia land management plan)

17 subsectorial plans

Economic impacts:

Coordination among them

Loss of forest
Livestock and agricultural production
Tourism Industry

Main impacts

River, pluvial and coast flood, Wildfires, Drough, Landslides o land erosion.

Legal tools:

Floods -> Irrigation management plans
Wildfire plans
Spatial planning: Appropriate use plans,
protection Andalucía > 20% Natura 2000

Agriculture

Economic impacts:

Job positions

Production costs agriculture and livestock

Decrease in the value of production

Insurance charge

Need for economic investment

Change in crops for adaptation

Abandonment of activity in extreme

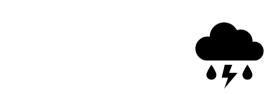
cases

Depopulation of rural areas



REDIAM







Hydrological management

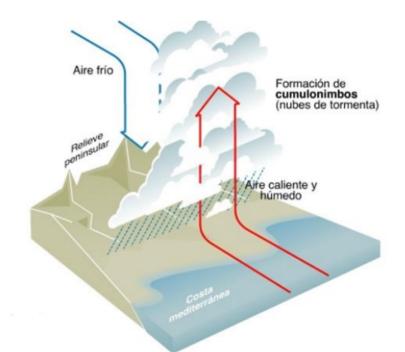


Preliminary Flood Risk Assessment Preparation of Flood Hazard and Risk Maps

(Hydrological Planning) - River basin districts. Related to POTA (Civil Protection Plans, Infrastructure Planning, Agriculture, etc.) Flood Risk Management Plans

> High exposure to river overflows Erosion Cold Drop Episodes (DANA)

Infraestructures, public services, housing



Common objectives - Governance objectives





Lessons learned. Strenghts

Creation of platforms - share information - intervention of the different units and organizations

Civil Protection - essential role - interadministrative – State and local administration - technical assistance – data and information collection

Identification risk areas - continuous interadministrative collaboration

Some identification of direct and indirect economic effects

An exhaustive analysis is made that has not been





Lessons learned. Weakness



Intersectoral coordination can be greatly improved

The system is focused more on correcting than on preventing

Lack of information on economic impact

Subregional plans contains the risk management framework

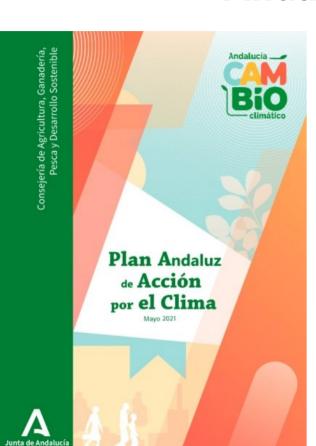
Climate change must be in policies with socioeconomic effects. Inclusion in an integrated and coordinated way

Flood risks assessment methodology is based on the past patterns, but it does not contemplate future projections

ESPON confirms this diagnosis in the same sense as

Andalusia Climate Action Plan





Main strategy in wich Andalusia is involved about Climate Change

The Plan is included in Climate Change Law

Approved by Andalusia Government

Just approved

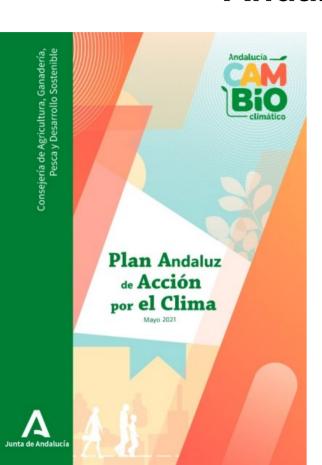
Framework: Transversal

Includes three scopes:

- -Mitigation
- -Adaptation
- -Comunication

Andalusia Climate Action Plan





8 transversal lines

Green taxes

Improve administrative procedures

Green public procurement

Investment sustainability requirements

Green budget

Generation of knowledge and innovation

Cooperation

Institutional governance

Objective: Innovation generation



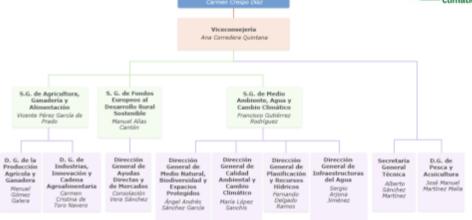




Objective: Cooperation

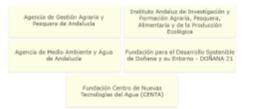


Strategic line Support from the Junta de Andalucía from its competence framework to projects, initiatives and collaborative networks in climate action. national and international, and collaboration in the valorization and application of the solutions found



vetería de Agricultura.

Entidades adscritas



Delegaciones Territoriales

Objective: Institutional Governance





Strategic line.

Promote collaboration and participation of the different public administrations in policy development

for the fight against climate change and its application in the territorial scope, identifying and taking advantage of the synergies that occur

between them

Strategic line.

Drive multi-level collaboration for coordination and development of municipal plans against climate change

Adaptation requirements



Adaptation program contains 44 strategic lines with seven requeriments:



- 1.- Knowledge management on adaptation
- 2.- Integration of adaptation to climate change in the Instrumental map of the Regional Government and local Administrations through governance
- 3.- Development of demonstration projects: public-private financing
- 4.- Nature-based solutions
- 5.- Sustainable lifestyles as adaptation tools
- 6.- Adaptation and social perspective

Next steps





Development of a suitable **framework for cooperation** between different functions and at different levels

Location of **cause-effect relationships** between disasters and natural, social and economic impacts

Learn from **good practices**

Greater **focus on prevention** versus repair

Refine the **data collection** framework

Thanks for your attention!

¡Gracias por vuestra atención!

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