

SPANISH AGRICULTURAL INSURANCE SYSTEM

ENESA's Approach

Madrid, 9th February 2014



Paper Outline.

- 1. Introduction.
- 2. Objective.
- 3. Background.
- 4. Stakeholders.
- 5. ENESA.
- 6. Limitations & Advantages.
- 7. Successful keys



Introduction.





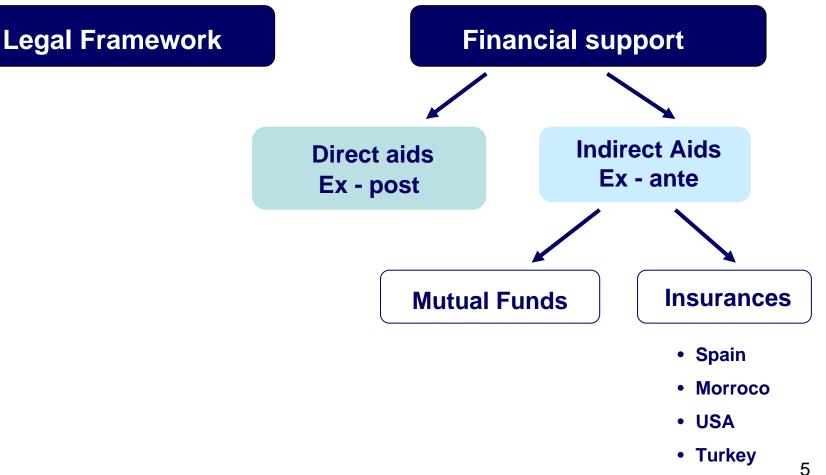
Introduction.

Number of Climate-related Disasters Around the World (1980-2011)





What could Governments do?



Entidad Estatal de Seguros Agrarios



Introduction.

DIRECT PAYMENT EX POST



INSURANCE GRANTS EX ANTE

- Hard to implement.
- Difficult resources availability.
- Difficult damages assesment.
- Long administrative procedure
- Delay of payments.



- Emergency pre-empted.
- Greater financial soundnes.
- Transparency.
- Insurer resposible for:
 - damages assesment
 - payment of claims
- Early payment.



Spanish Agricultural Insurance System – Objective.

- Offering protection against non- controlable risks.
 - Adverse weather conditions
 - Accidents
 - Diseases
- Supporting financial stability of farms.
- Enhancing private business.



Spanish Agricultural Insurance System.

- **Private contract** between the farmer and the insurance company.
 - ⇒ Waiting periods
 - ➡ Minimiun damage tresholds
 - ⇒ Deductibles
 - ➡ Bonus and surcharge system
- Contract subsidised by the government
- Contract **supervised** by the government
- Detailed contract conditions on <u>www.enesa.es</u>



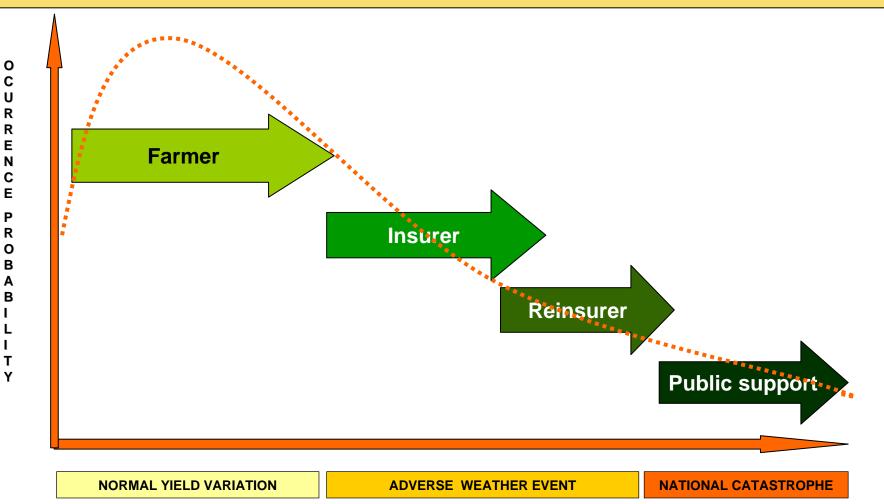
Introduction.

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EXTENT OF DAMAGE



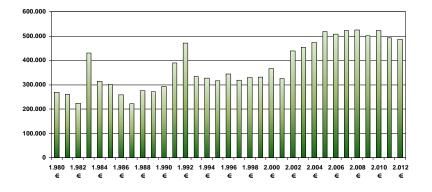
Spanish Agricultural Insurance System.

- More than 34 years of experience (since 1978).
- Coverage for all agricultural productions.
- Progressive development of livestock and aquaculture insurance since 2000.
- Recent design of forestry insurance.
- Sharing technical knowdlege with other countries.



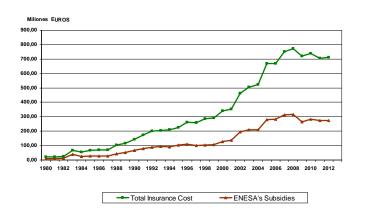
Spanish Agricultural Insurance System.

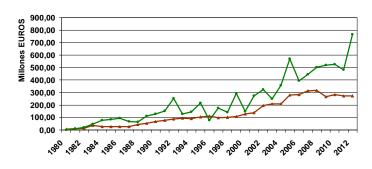
N. Policies



Budget







--- ENESA's Subsidies --- Claims



Spanish Agricultural Insurance System - Partnership scope.

- Legal agreements between all political groups
- Annual plan approved by agreement in the cabinet
- Central and regional governments grant subsidies
- Non ad-hoc aids by the central government for insurable risks
- Devising technical-financial viability studies
- Defining several aspects on the insurance contract: agricultural practices, prices, underwritting period...

Long – term political agreement



Spanish Agricultural Insurance System - Partnership scope.

Legal Framework

• Law 87/1978

- Objective
- Stakeholders role.
- Scope.
- Insurable risks
- Insurable productions.
- Making decision procedure.
- RD 2329/79 Regulations in application of the law
- Triennial & Annual Plan

Long - term sustainable system



Spanish Agricultural Insurance System – Stakeholders.

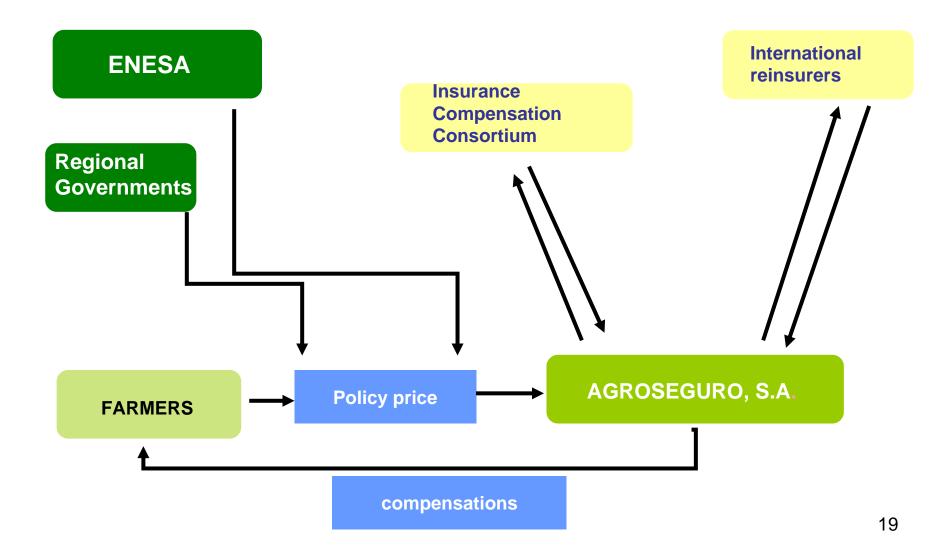
- Farmers, represented by farmers' unions
- ➡ Insurers grouped in AGROSEGURO
- Re-insurers
 - Private
 - Public: CCS-Insurance Compensation Consortium
- Public administration
 - Central Government
 - ENESA- Ministry of Agriculture, Food and Environment
 - DGS+CCS- Ministry of Economy
 - Regional Governments

PUBLIC

PRIVATE

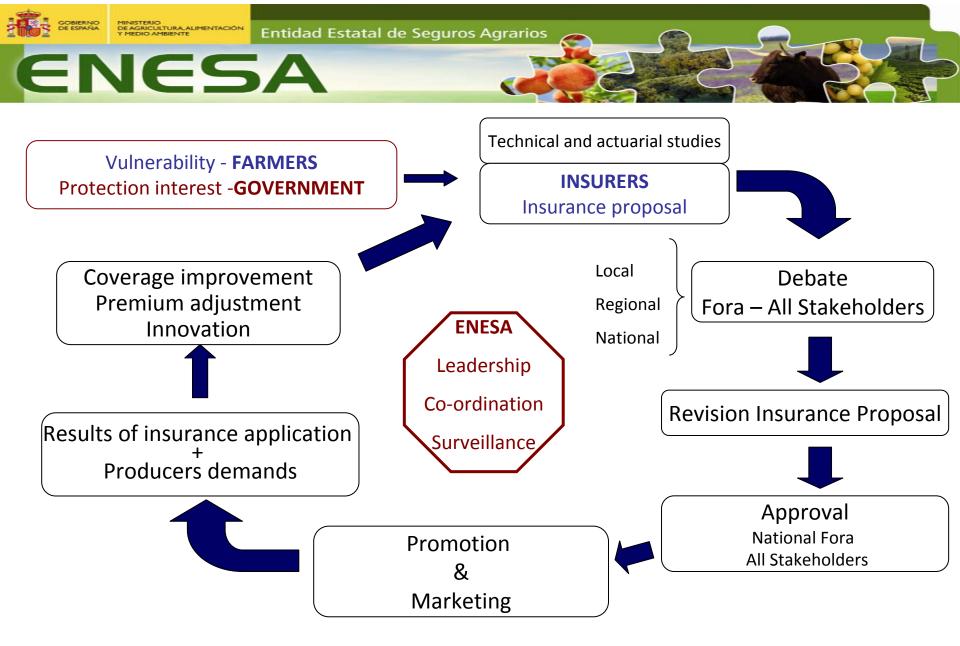


Spanish Agricultural Insurance System - Cost sharing.

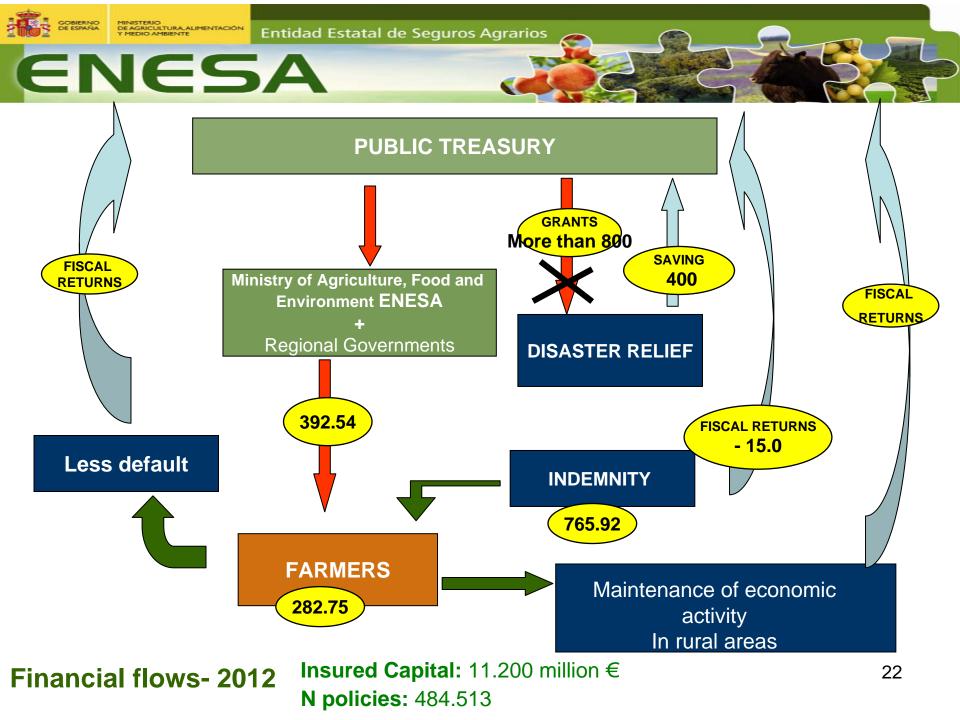




- Coordinating public and private activities.
- Defining the main lines of action through the Annual Plan.
- Granting subsidies for farmers.
- Developing feasability studies.
- Promoting **insurance in the agrarian sector.**
- Sharing know-how all over the world.



ENESA - Co-ordination & Surveillance



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LIMITATIONS



ADVANTAGES

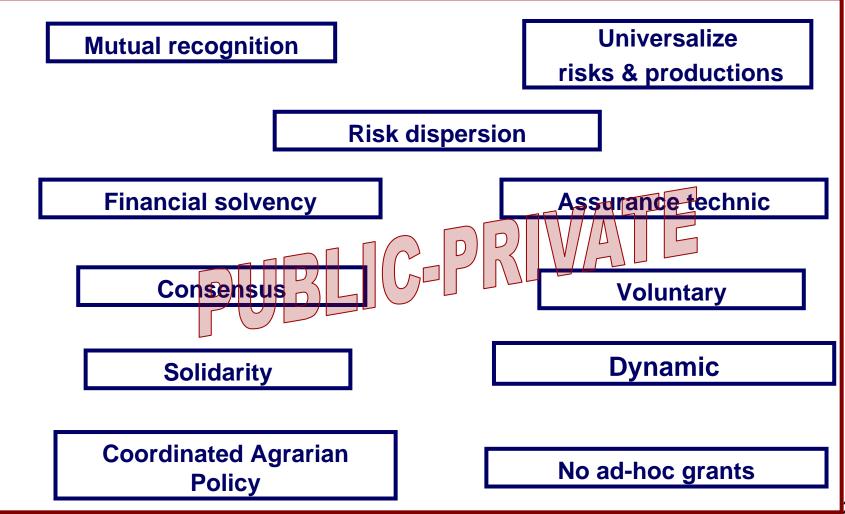
- Long period is required for satisfactory implementation
- Risk must be dispersed for the sustainability of the system
- The moral hazard must be limited
- Individualized application entails higher processing costs
- For widespread implementation, public sector involvement is needed



- Financial soundness
- Predictable annual budget for grants
- Coverage adapted to special characteristic of areas, productions risks, farmers...
- Individual assessment of damages
- Quickly and efficient management
- Transparency
- Enhancing other agricultural policies.
- Reducing social pressure.



Spanish Agricultural Insurance System - Successfull keys.





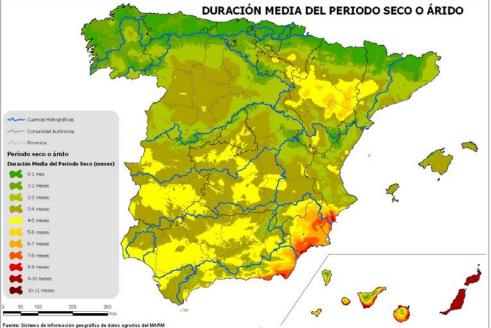
AGRICULTURAL INSURANCE & DROUGHT

Madrid, 9th February 2014



Spain - Agroclimatic conditions.







What need we bear in mind?

- Drought damages are progressive .
- Drought is a sistemic risk
- Damages could be shadowed by other factors or risks.
- Moral hazard and adverse selection must be controled.
- Crop's development could be the best choice to evaluate drought's damages



Agricultural Insurance & Drought.

Options:

□ Yield Insurance.

- Geographical reference.
- Individual reference.

Index Insurance.

- SPI : based on rainfall (Morroco, India).
- NDVI: satellite images.



Agricultural Insurance & Drought.

Yield Insurance - Spain

- □ Apply since 1983
- Designing for cereals, leguminous, sunflower, olive trees, almond trees without irrigation and fruit trees in several áreas.
- Guaranteed yield: 50% or 70%.
- □ Individual yield defined with historic data from de own farmer.
- Greographical yield: reference defined by government's data.
- □ Collaboration with Morroco.



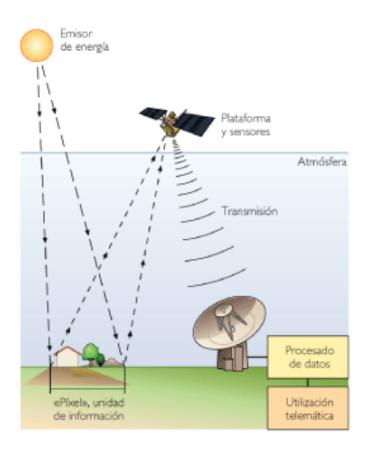
Agricultural Insurance & Drought.

Index Insurance - Spain

- □ Apply since 2001.
- Based on NDVI measured by satellite imagines (MODIS).
- Coverage: additional food support due to pasture availability reduction.
- Different level of claims according to season, area and intensity of drought
- □ NDVI survey by University (LATUV).
- Collaboration with Chile.





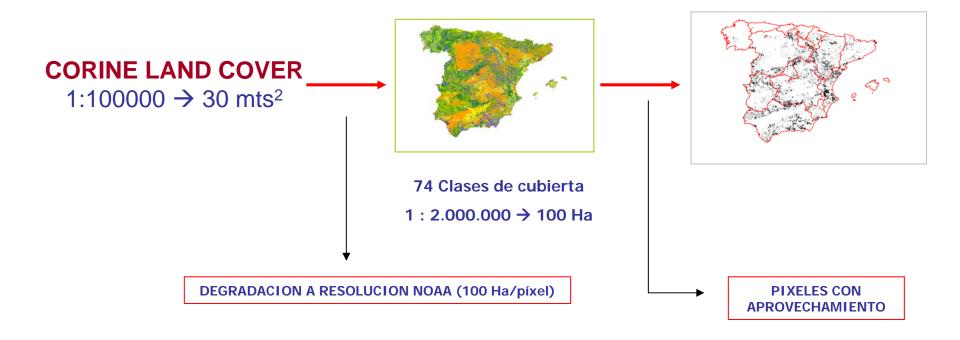


Normalized Difference Vegetation Index (NDVI)

Simple graphical indicator that can be used to analyze <u>remote sensing</u> measurements, and assess whether the target being observed contains live green vegetation or not.

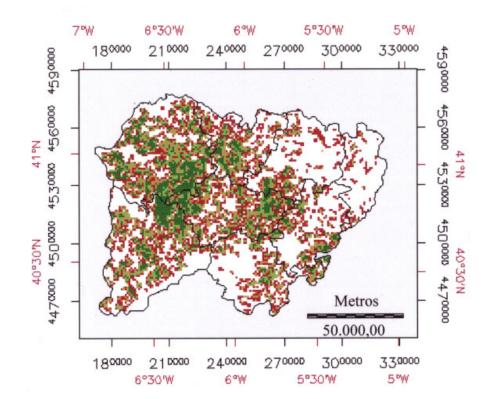


Where could we measure?





Where could we measure?



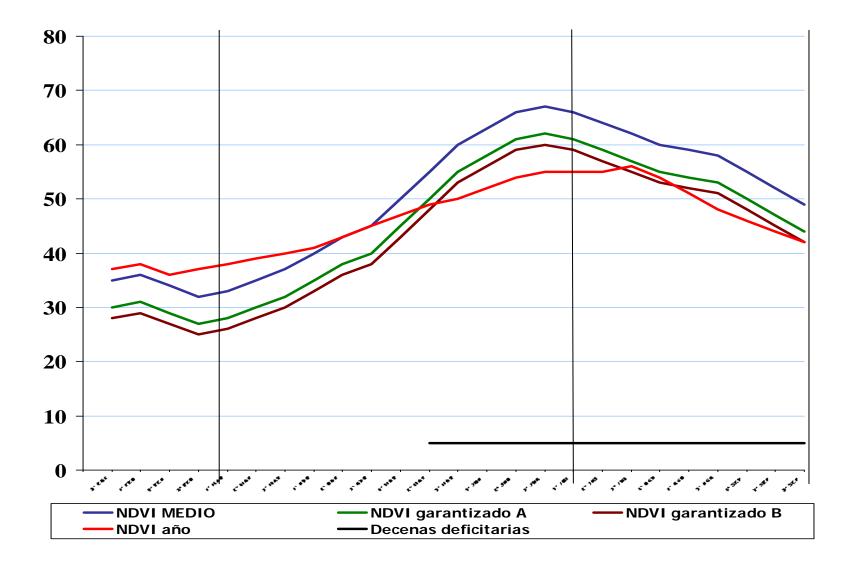
SALAMANCA



PLAN 2007









	Medium cost without subsidy Euros/animal	Medium cost with ENESA's subsidy Euros/animal
Bovine	32,82	21,20
Equine	32,89	21,83
Sheep	4,84	3,01
Goat	4,84	3,01



	Yield Insurance	Index Insurance
STRENGTH	 Reducing anti- selection. Compensation more accurate. Easier to be understood by farmers 	 Limited administrative expenses. Limits moral hazard. Avoid direct damages assesment
WEAKNESS	 Need special measures to reduce moral hazard. High administrative expenses. Need a predefined procedure to damage assesment. 	 Not applicable to all sort of risks. Geographical reference. Anti- selection could happen. Difficult to be understood by farmers. Difficult to select an useful parameter. 37



THANKS

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