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Síntesis Acciones JRC-EUROCLIMA para el año 2014 (actions in grey cells are to be implemented after 2014)

General Objective:	
	Facilitate the integration of climate change mitigation and adaptation strategies and measures into Latin American public development policies and plans at national and (sub) regional levels
Specific Objective:	
	Contribute to Food security in LA by disseminating and deepening knowledge about desertification, land degradation and drought, considering also the potential effects of climate change.
Expected Result 1:	
R1	Together with EUROCLIMA national focal points and expert network, new priorities for research on DLDD have been defined and the corresponding models and tools have been developed.
A1.1	Identify research needs and subsequently promote a structured exchange of ideas on research methodologies and on preliminary results through varied forms of communication (blogs, virtual meetings, workshops).
Specific Actions A1.1:	
1.1.1	Set up of a group of EUROCLIMA – Desertification, Land Degradation and Drought (DLDD) on capacity4dev.eu
1.1.2	Exchange of ideas through Workshops and virtual meetings
A1.2	Develop of models and tools to address the biophysical aspects of desertification and land degradation
Specific Actions A1.2:	
1.2.1	Interpretation of detailed maps on the assessment of the H-E system productivity into dedicated land degradation maps
1.2.2	2 Methodologies for evaluation/modeling of climate change impacts on land degradation processes.
1.2.3	Final land degradation maps
1.2.4	Economic valuation of land degradation and mitigation options considering the effects of climate change
A1.3	Develop models and tools to address the biophysical aspects of drought
Specific Actions A1.3:	
1.3.1	Drought prediction using meteorological forecasting models
1.3.2	Development of a model for mapping drought vulnerability and risk.
1.3.3	Climate change impact on drought
Expected Result 2:	
R2	Knowledge transfer has been accomplished through the update, maintenance and transfer to Latin American partners of the DLDD information system developed under EUROCLIMA in its first phase.



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A2.1	Maintain and extend the current data provision of meteorological and remote sensing data at continental level
	Specific Actions A2.1:
2.1.1	Current data provision of meteorological and remote sensing data maintained and revised
A2.2	Maintain and review Land Degradation, Desertification and Drought products
	Specific Actions A2.2:
2.2.1	Current data products should be maintained and improved; new products from LA national and regional institutional partners need to be raised to increase system's interoperability and prominence
A2.3	Provide training and transfer of web-mapping and decision support system technology to LA partners
	Specific Actions A2.3:
2.3.1	Training and transfer of web-mapping and decision support system technology to LA partners
Expected Result 3:	
R3	Capacity building and South-South cooperation on DLDD has been achieved through case studies, workshops and specific training sessions.
A3.1	Execute specific case studies on Desertification, Land Degradation and Drought, by the members of the expert network of EUROCLIMA.
	Specific Actions A3.1:
3.1.1	Case studies proposed and executed by the members of the EUROCLIMA DLDD expert network in communication and coordination with the national focal points
A3.2	Organise expert meetings in Latin America to promote the coordination by Latin American institutions of the scientific network initiated during the 1st phase of EUROCLIMA
	Specific Actions A3.2:
3.2.1	The first Workshop (could be jointly organised with IICA, CEPAL and AT) during the first semester and should present the results of the first phase of EUROCLIMA and the second phase of the project to LA partners
3.2.2	The second Workshop should take place during the second year and will cover the topics developed until that period (e.g. the results of the case studies)
3.2.3	The third and final Workshop should take place at the end of the last year (could also be organised jointly with IICA, CEPAL and AT) presenting the final results of the project.
A3.3	Organize training on tools of interest to the scientific network on Desertification, Land Degradation and Drought
	Specific Actions A3.3:
3.3.1	The first training will be a Thematic Training on EUROCLIMA II model applications on Desertification, Land Degradation and Drought.
3.3.2	The second training will be a specific training on decision support system technology with emphasis on the specific case studies on Land Degradation and Drought from Activity 3.1.
3.3.3	The third training will be a specific training on web-mapping technology that will allow LA partners to learn how to implement similar web-mapping systems to the one developed in EUROCLIMA.



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Expected Result 4:	
R4	Context-specific bio-physical modelling for crop yield estimation under climate change has been accomplished.
A4.1	Further enhance and tailor the BioMA modelling platform to needs of LA partners and to local and regional conditions
	Specific Actions A4.1:
4.1.1	Improvement of the BioMA modelling platform for Latin America
4.1.2	Context-specific crop parameterization for main crops in LA such as wheat, maize, soybean, rice, sugar cane
A4.2	Run state-of-the-art climate change scenarios of yield estimates for main crops in the main producing regions of LA.
	Specific Actions A4.2: to be implemented after 2014
4.2.1	Post-processing of downscaled and bias-corrected climate scenarios for specific regions in LA
4.2.2	Bio-physical simulations at climate change horizons of 2030 and possibly 2050
A4.3	Explore adaptation options under climate change through integration of local knowledge on agro-management.
	Specific Actions A4.3: to be implemented after 2014
4.3.1	Selection of climate change adaptation options
4.3.2	Model simulations of future crop yields under different adaptation options
A4.4	Reinforce partner relationships through a scientific workshop and dissemination through a scientific conference on climate change in agriculture in LA.
	Specific Actions A4.4:
4.4.1	Consultations with expert LA partners on crop modelling
4.4.2	Expert training workshop on the BIOMA platform
4.4.3	Scientific conference on climate change impacts in agriculture