



Nexus Thinking for Sustainable Agricultural Development in Andean Countries

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provide policymakers in Peru and Ecuador with evidence to develop policies and programs for increasing resilience and promoting sustainable economic growth in the context of increasing food demand and exports

- **implications of increasing food production** on availability of water, energy and other natural resources for other sectors and the environment
- **use integrated modelling** in collaboration with stakeholders to evaluate policies' impact on the WEF nexus
- **Inform future WEF policies** in the countries under study, leading to the sustainable use of natural resources and economic growth



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Stage 1 - Diagnosis

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Ecuador – Santa Elena

- **Ongoing efforts to increase irrigated area:**
 - export oriented (mostly large farms) and local markets (mostly small farmers)
- **Water comes from higher basin but requires significant energy (currently subsidized)**
- **No clear concern for environmental effects**
- **Apparent conflicting views between regional and central governments**

Perú– Ica

- **Again very distinctive separation:**
 - export oriented (mostly large farms) underground water
 - and local markets (mostly small farmers) surface water
- **Water comes from higher basin and overexploited local aquifer**
- **No clear concern for environmental effects**
- **Ongoing actions: aquifer recharge and monitoring, Payments for ecosystem services**