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Science for Solutions decade: HELPING
Hydrology Engaging Local People IN one Global world

Working Group Presentation:



Effective Aquifer Governance for Agriculture



Research goals **Outcome/product goals Community goals Understanding local Case-studies** populating the Digital Water Globe hydrological and social Collaboration between platform processes people at similar conditions world-wide **Understanding Tools for** monitoring or differences and similarities between assessments regions Recognition when implementing general Methods to link global **Understanding global**policy at local level estimates with local local interactions conditions

Effective Aquifer Governance for Agriculture

Goals



Outcome/product goals

 Case-studies populating the Digital Water Globe platform

 Tools for monitoring or assessments

 Methods to link global estimates with local conditions

Methods



Flexible, open-source Crop-Hydrological-Agent Modelling Platform (CHAMP)



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Working Plan



community-driven
conservation
efforts across the
US using PyCHAMP
with statistical
models.



Integrate more
complex social and
environmental
model
components into
PyCHAMP.



Create an
integrated
assessment
framework of
effective aquifer
governance
strategies
worldwide.

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