

Welcome

Introduction to FUSE and Amman Workshops September 2021

Food-**w**ater-**e**nergy for
Urban
Sustainable
Environments



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Energy

Water

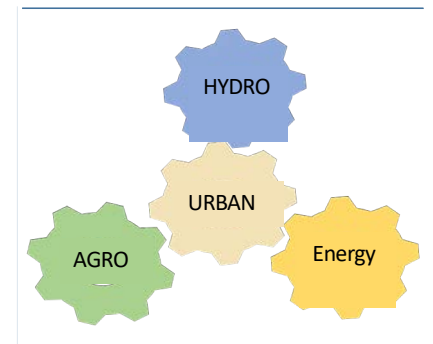


Food

This work was supported in part by the National Science Foundation under grant ICER/EAR-1829999 to Stanford University as part of the Belmont Forum – Sustainable Urbanisation Global Initiative (SUGI)/Food-Water-Energy Nexus theme. Any opinions, findings, conclusions or recommendations expressed in this material are those of the authors and do not necessarily reflect the views of the National Science Foundation.”

Who are we? The FUSE Project

International not-for-profit interdisciplinary team



Jordan Water Project and the FUSE Project

Goal: To develop a tool to evaluate policies aimed primarily at freshwater vulnerability reduction through effective interventions involving Food-Water-Energy

FUSE is a not-for-profit research project financed by our governments (not by Jordan)



Food-water-energy for
Urban
Sustainable
Environments

Teams
Stanford, USA
UFZ, Germany
Manchester, UK
Kings College, UK
Laval, Canada
OEFSE, Austria
IIASA, Austria
JUST & MIRRA, Jordan



Jordan

Among water-poorest countries

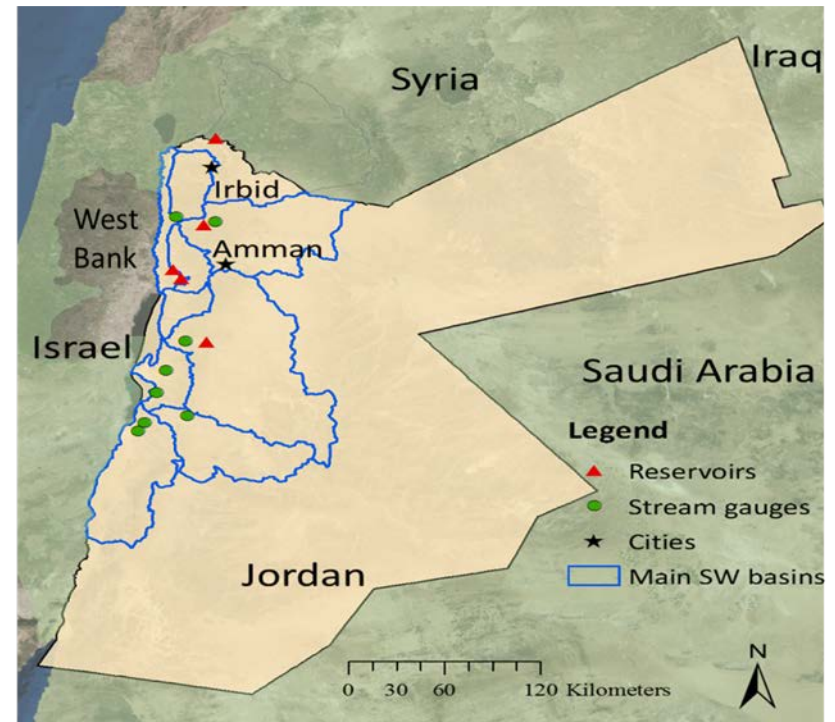
Intermittent and inefficient supply

Major climate change impacts

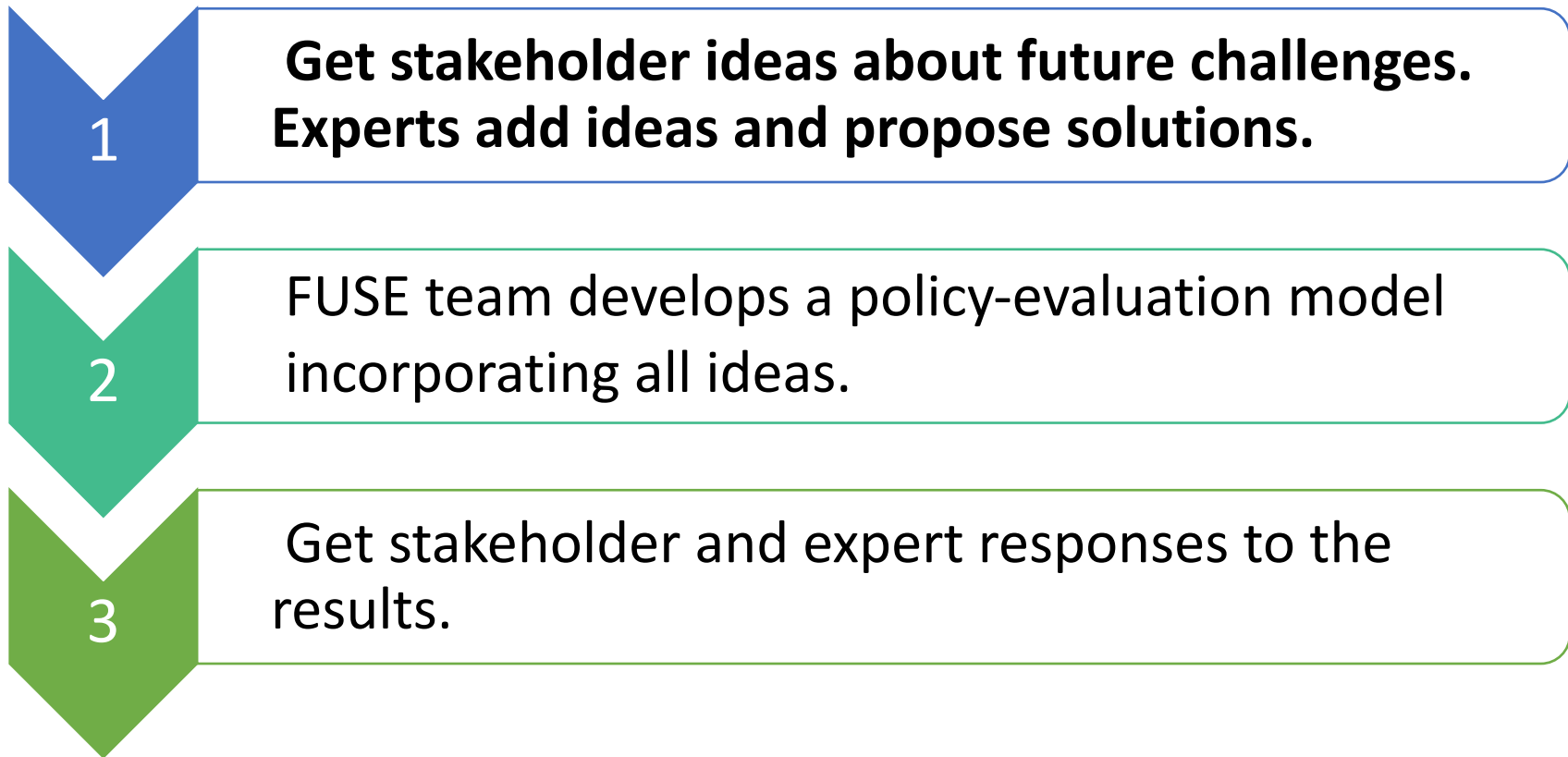
Transboundary water problems

Groundwater declining 1 m per year

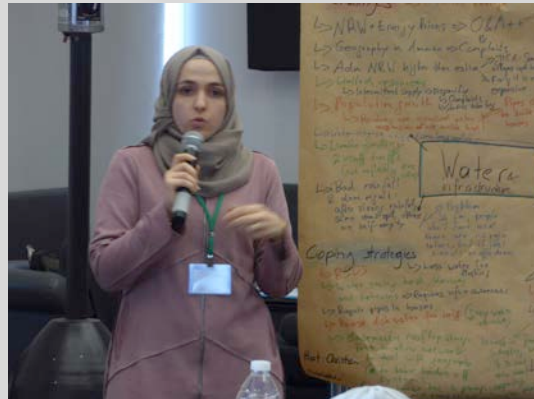
Refugees



FUSE Process Steps - Step 1



Workshops: Stakeholders → Experts → Modelers



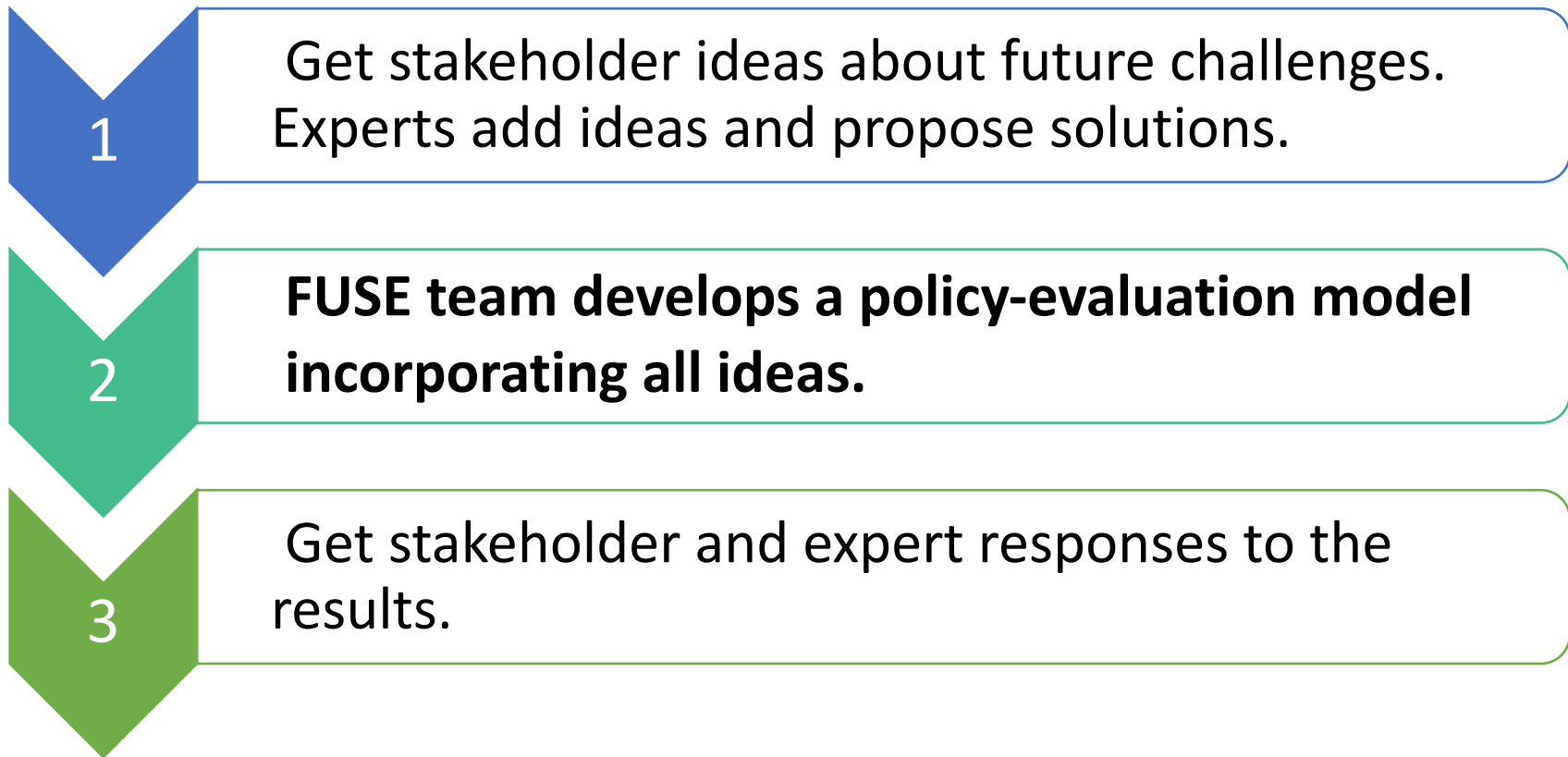
FUSE Process **Step 1**: Workshops held in 2019 in Amman

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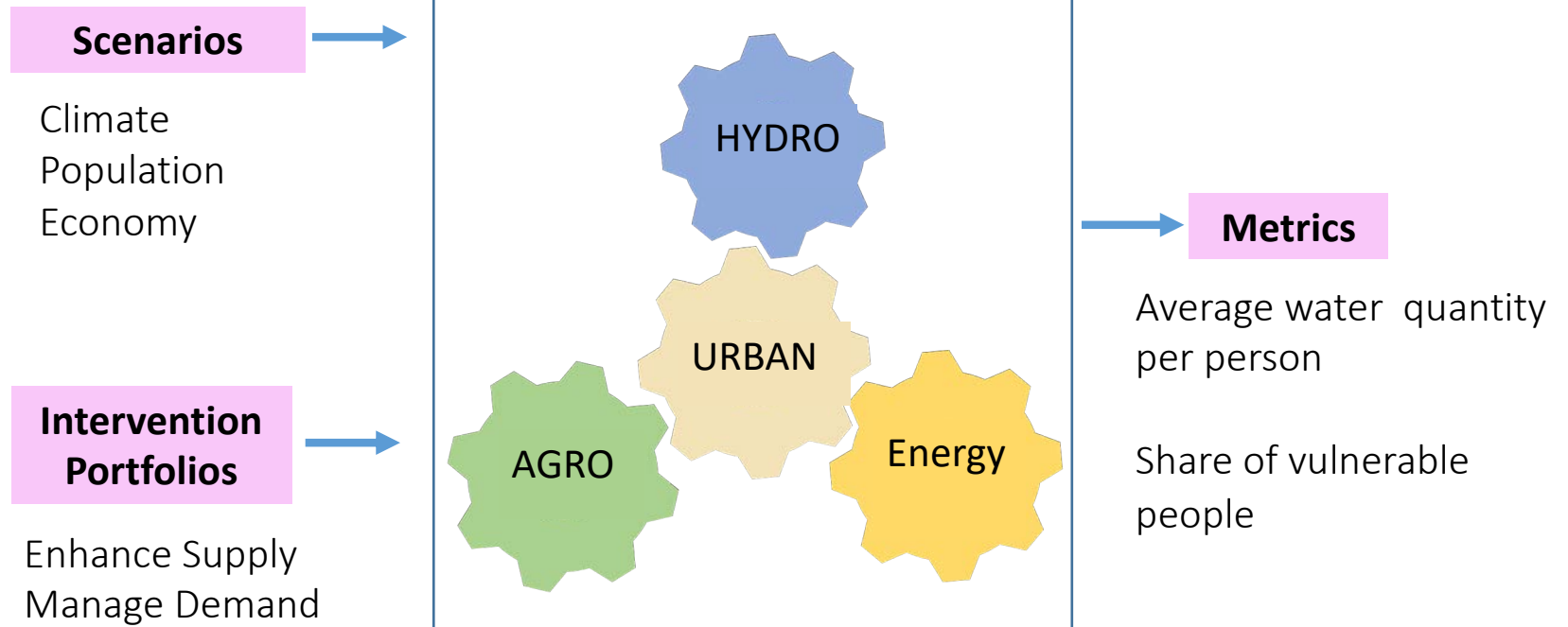
Get stakeholder ideas about future challenges.
Experts add ideas and propose solutions.



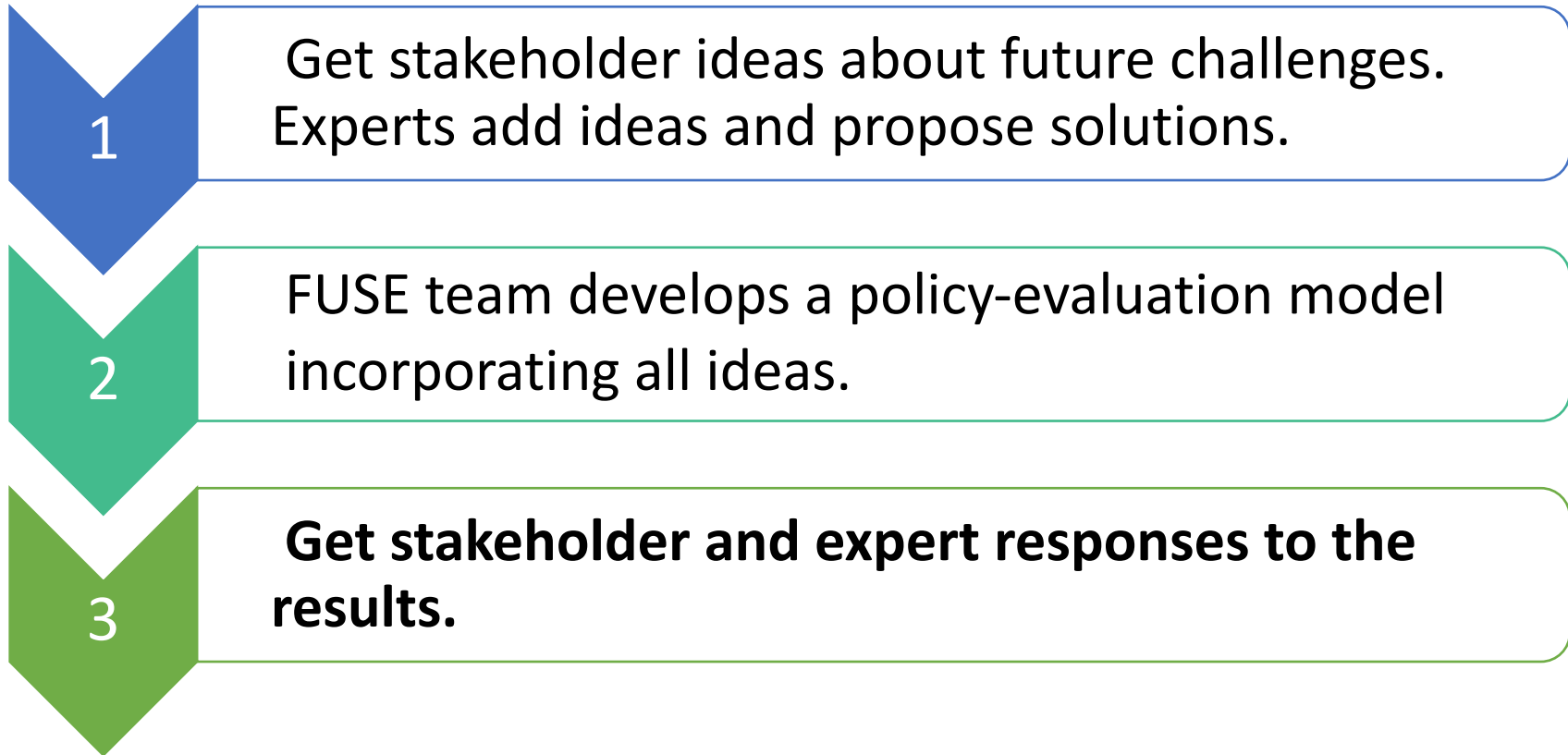
FUSE Process Steps:



Integrated Nexus Model



FUSE Process Steps:



Stakeholders



Experts



FUSE Project Amman Workshops March 2019

**FUSE now reports back and
gets your valuable input**

Modelers



Thank you in advance for your efforts today!

Stanford
EARTH Food Water Energy for Urban Sustainable
Environments (FUSE)

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Three years from June 1, 2018
through May 31, 2022

