



Perspectives...
*engaging stakeholders in drought
planning*

Lessons from the Trenches

Susan Craig, Arizona Department of Water Resources
Mike Crimmins, University of Arizona

ADWR Drought Program

Local drought impact groups

- ✓ County-based groups
- ✓ Drought monitoring
- ✓ Drought mitigation and response at the local level

State Monitoring Technical Committee

- ✓ Monthly Drought
- ✓ Monitor Reports

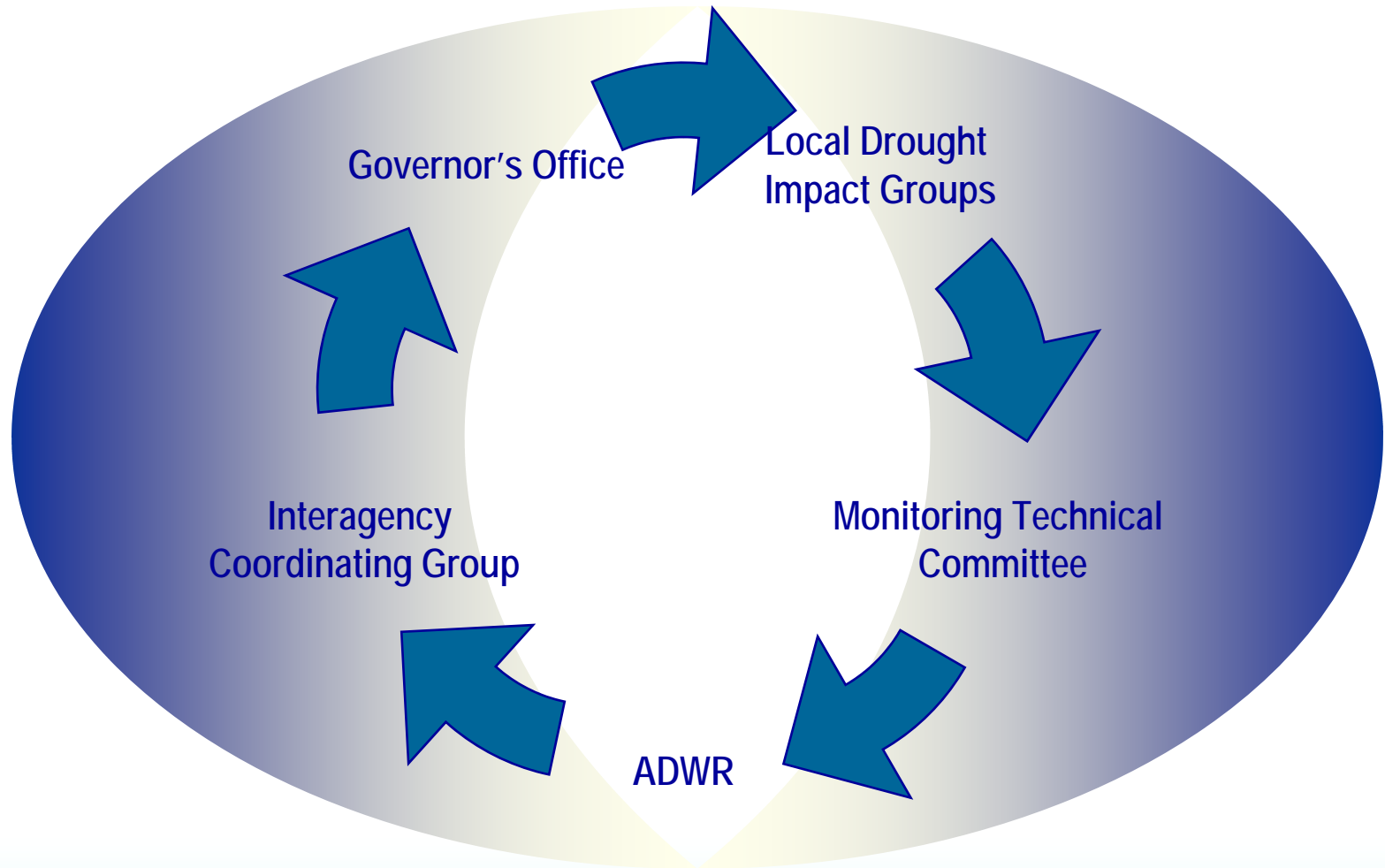
State Interagency Coordinating Group

- ✓ Governor's advisory body
- ✓ Drought declaration

Drought and Conservation Planning for Water Providers

- ✓ Water use reporting
- ✓ 5-year plans

Statewide Drought Planning



Stakeholder Involvement

Local Drought Impact Groups

- Local coordinators - AZ Cooperative Extension County Agent & County Emergency Manager
- State coordination - ADWR
- Members - citizens, water providers, local/state/fed agencies, NRCS, NRCD, AGFD, etc.

State Monitoring Technical Committee

- NRCS, ADWR, CLIMAS, NOAA, NWS, SRP, ADEM, UACE, USGS, ASU - State Climatologist, LDIGs

State Interagency Coordinating Group

- Membership - 20 different state and federal agencies
- Chaired by ADWR & ADEM
- ACC, ADA, ADEQ, ADHS, ADOT, AZ Farm Bureau, AGFD, State Forester, ASLD, ASP, CAP, USDA – Farm Services & Forest Service, BLM, BOR, MTC, LDIGs

Local Drought Impact Groups

The Plan	The Reality	The Lesson
Organize 15 county-based groups	9 groups in 3 years	Need resources Can't force interest/motivation
Three objectives	One main objective	Have a specific focus
Local Area Impact Assessment Groups	Local Drought Impact Groups	Descriptive, catchy name – sustainability, conservation, climate change
Regional approach	Entities have different purposes/objectives – issues are not the same by town/city, etc.	Opportunity to share & communicate, learn what others are doing – find common ground
Potential funding	No funding	Assume no funding
Diverse group	Very few unpaid people attending	Outreach - make the connection - interest is a must
Meet on a regular basis	People are most interested in drought during times of drought	Educate - it's difficult to get people to be forward-thinking (preparedness objective)
Locally led and tailored	More structure, more guidance	Have a balance – offer structure & allow flexibility

Develop public awareness

Provide drought impact information

Develop local mitigation & response options

State Drought Committees

MTC: Gathers and evaluates drought, climate and weather data and distributes that information to land managers, policy-makers and the public

ICG: Advises the governor on drought status, impacts, and any necessary preparedness and response actions

The Plan	The Reality	The Lesson
MTC: Produce monthly updates of short and long-term drought status	Challenge to get updated and complete hydroclimatic datasets together each month	Evaluating alternative data sources; moved to quarterly long-term drought status updates; quarterly meetings
MTC: Produce high-resolution drought status maps that reflect local conditions	Drought status calculated at large-watershed scale due to sparse data network	Evaluating alternative data sources; need impact information to refine drought status characterizations
MTC: Coordinate drought status maps with National Drought Monitor	AZ drought maps often differ from NDM	Different timescales and lags, different flavor of drought. Frustrating to stakeholders who use both products
ICG: Partner agencies provide drought impact information to guide MTC drought status determinations	Agency updates only occur twice a year at ICG meeting; Important impact information, but too late	Need for better communication mechanisms...Arizona DroughtWatch
ICG: Outcome based – action by the ICG as a whole	Organized to share & communicate - each agency does independent drought mitigation & response	Not as important to create something new, but to find and bring together what's being done

Key points

- Need leadership/sparkplugs

- Commitment

- Resources - \$\$\$, time

- Define SMART outcomes

Specific

Measurable

Achievable

Relevant

Time-sensitive – Rain, rain go away...

Summary

