CWQMC COLORADO WATER QUALITY MONITORING COUNCIL

NWQMC 2010 Conference

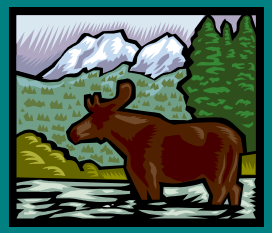
D5 Effective Information Exchange at the Watershed Level

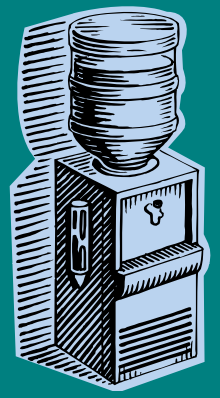
"SWAPS" Information Exchange at a watershed level

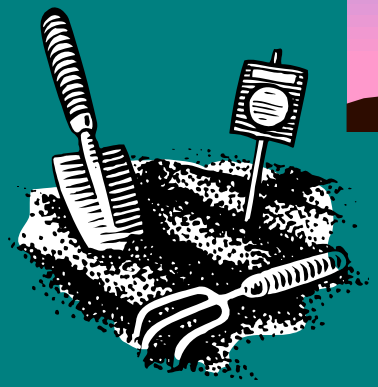
Barb Horn, Co-Chair

Colorado Water Quality Monitoring Council

Communication for what action?





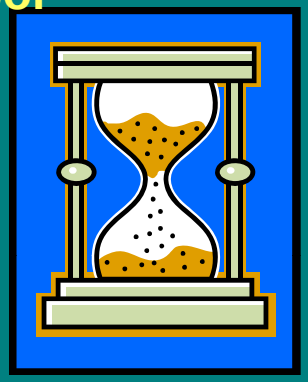


Mission

Provide a collaborative forum for implementation of effective collection, analyses, formatting and sharing of water quality data

Driven by a common set of needs

1. Money, Time, Labor



2. Expectations, Demands, Complexity

EVERYTHING
EVERYWHERE
ALL OF THE TIME

Quality Decisions need:

- *Quality Information – in each sector*
  - *state/local, public/private, regulatory/non-regulatory*
- *Adequate coverage*
  - *Temporal, Spatial, Media, Constituent, methods*
- *Ability to collaboration and act*
  - *Priorities, DATA, methods, training, resources, etc.*

Effort 1: Standardize Methods

Effort 2: Share Data

The Historic 3 Headed Monster

Financial Barriers

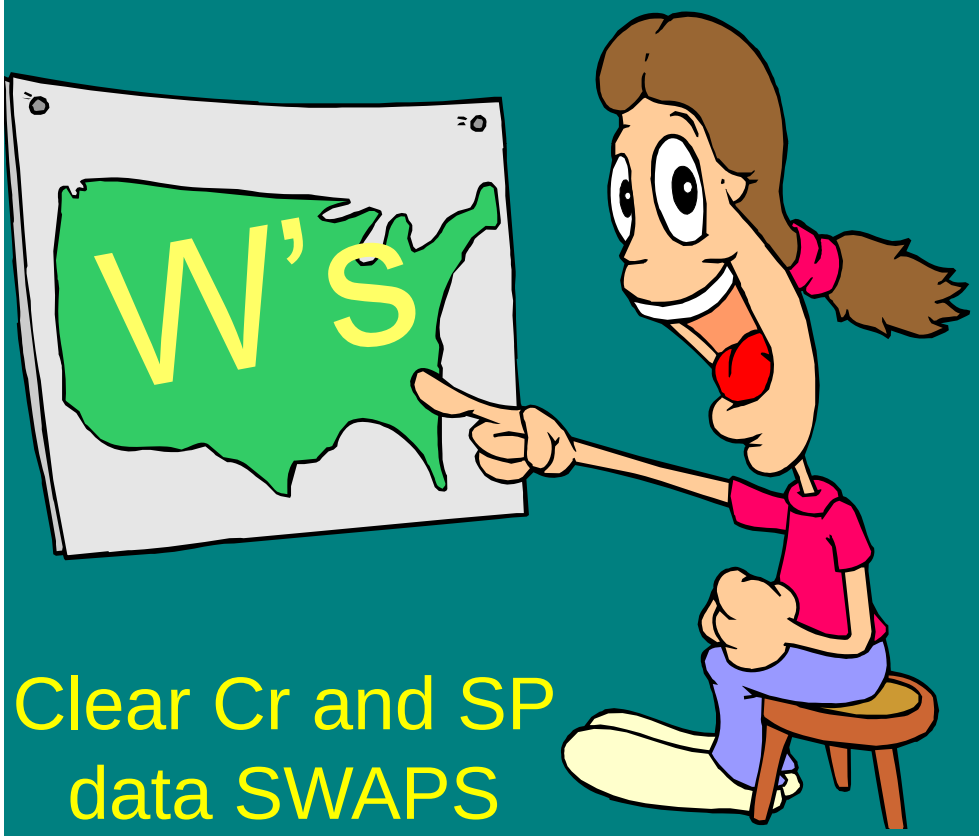
Will Power

Technical Barriers

Innocent Desirer of data

Small SWAP:

WQCD 3-Year Seed Grant



NPS Program

EPA STORET

Clear Cr and SP data SWAPS

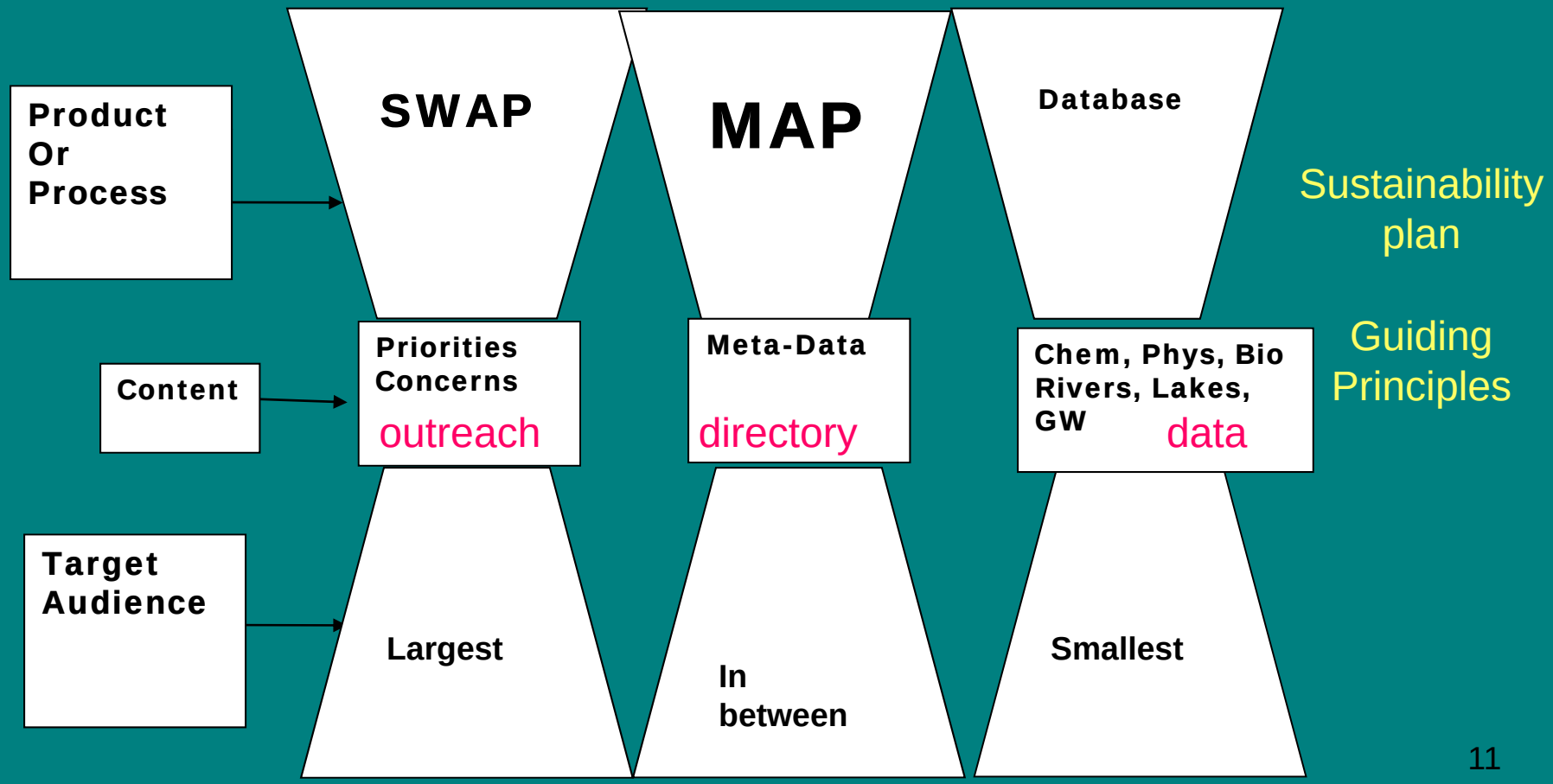
Evolution of EPA-STORET

Colorado Data Sharing Network

Water Quality Data Here Means:

Chemical, Physical Habitat or Biological Data in rivers, lakes, reservoirs, ground water or wetland water bodies

CWQMC Data Sharing Network
PROJECT COMPONENTS



CWQMC Data Sharing Network
PROJECT COMPONENTS

Product Or Process → Target Audience Anyone who:

Content → Does not manage data

Share data

Target Audience → Needs STORET

DSN Database

Chem, Phys, Bio Rivers, Lakes, GW database

Share data, Need data mngt, STORET /AQWMS upload

CWQMC Data Sharing Network
PROJECT COMPONENTS

Product Or Process →

Content →

Target Audience →

ArchIMS Map WQ - Directory

Meta-Data

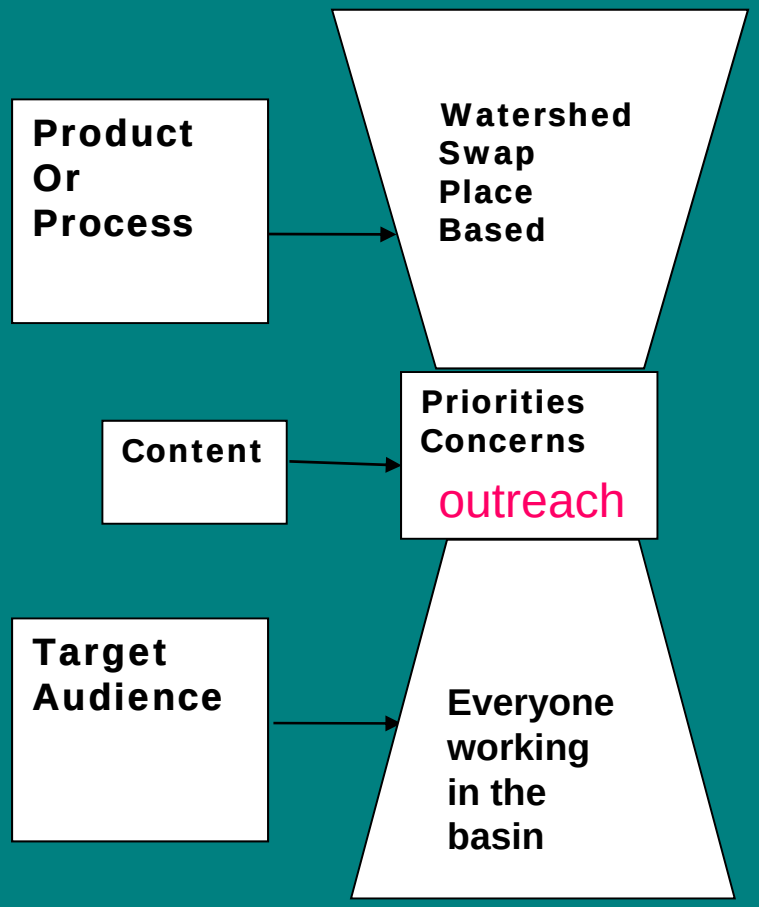
map

All who need &/or generate data

Target Audience
Anyone who:

Collects chemical
Phy hab, biological
data
On
Rivers, lakes, Res, GW
or wetlands

CWQMC Data Sharing Network
PROJECT COMPONENTS



Target Audience
Anyone who:

In the watershed:

Who is indirectly or directly engaged in water management

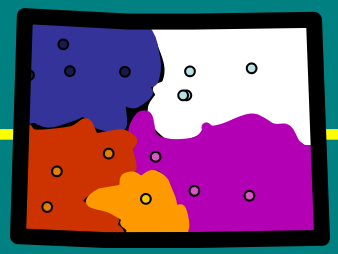
Informally or formally

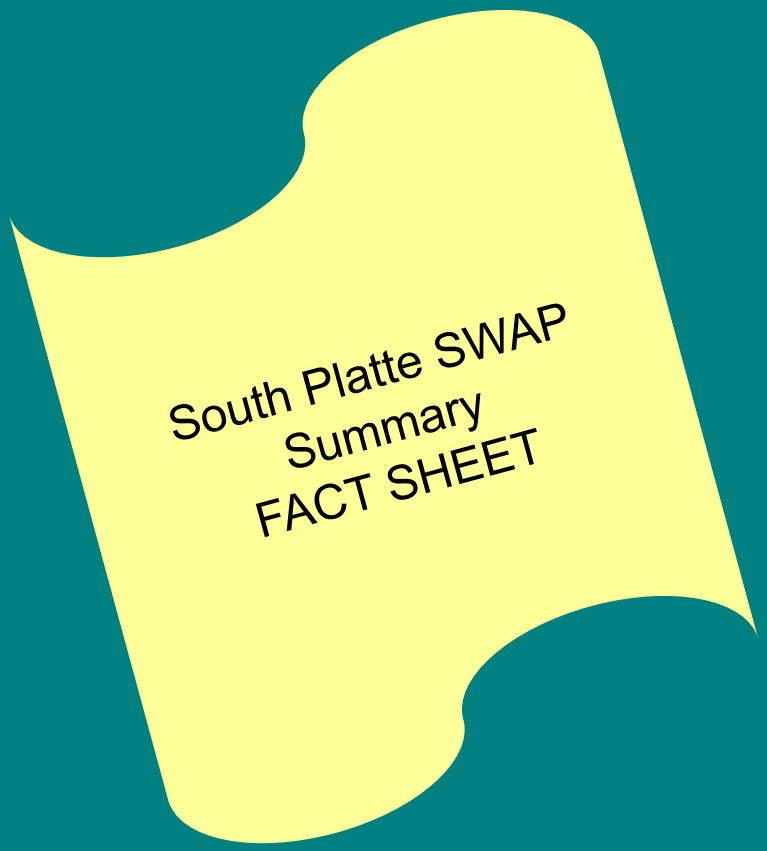
Fed, state, reg, local

Sample Agenda

	EXAMPLE BASIN SWAP AGENDA
730-800	Arrive, settle and get the best donut
800- 815	Introductions
815-845	Overview of SWAP Process, CWQMC, DSN and today
845-1100	SWAP W's, priorities, needs and concerns - share where and how share data and results
1100-1130	SWAP Evaluation
1130-1200	SWAP Future of Gatherings (W's)
1200-100	LUNCH
100-400	A mix of DSN Training, project sharing, other audiences

Results



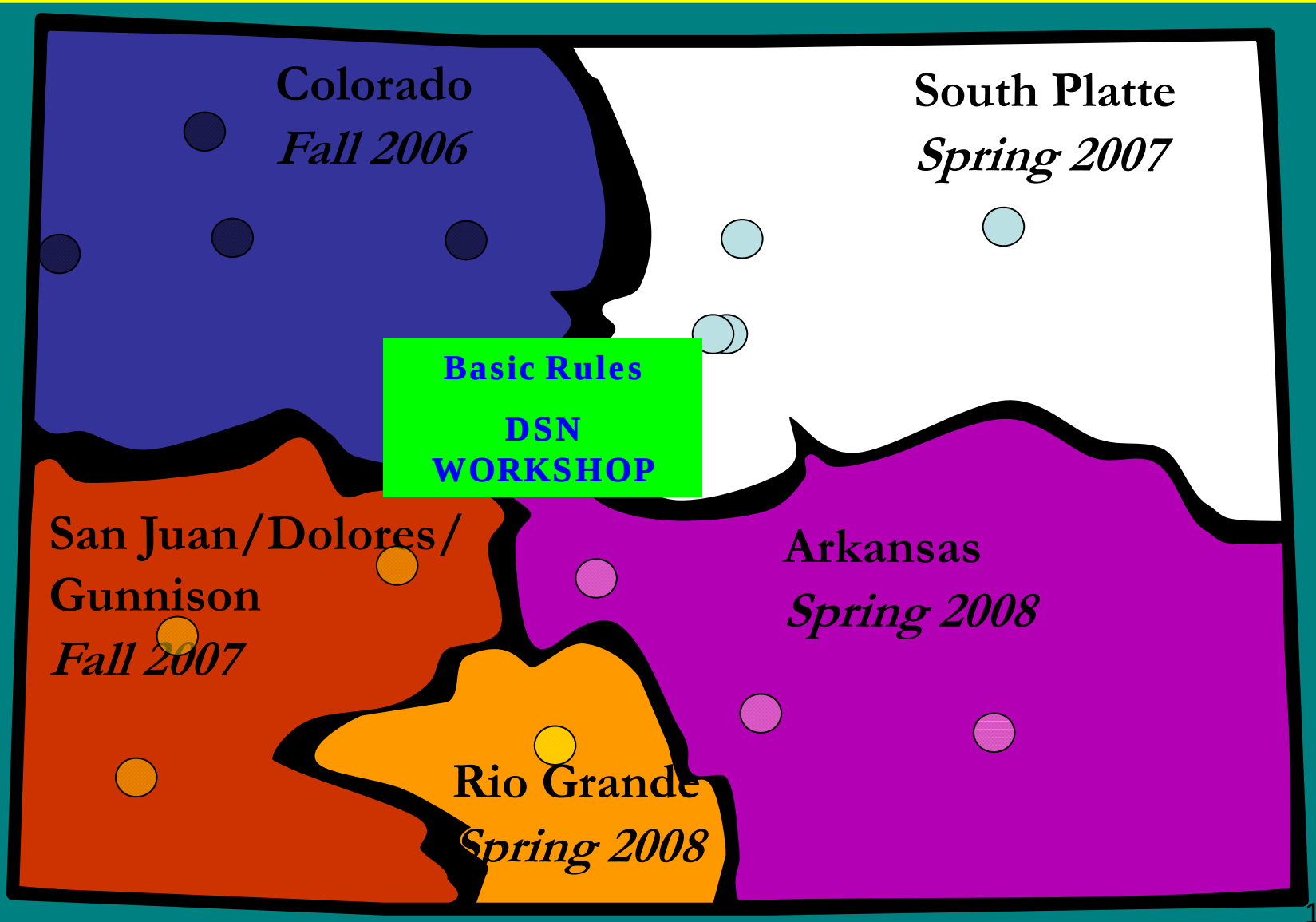


Every Participant becomes:

- Data Generator
- Data User
- Both

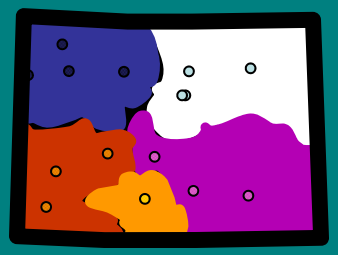
Directs our future correspondence and marketing

Where and When ?



How?

- *Created and update database of water entities*



- *Create a local watershed team*
  - *Get right people there, help invite*
  - *Host, local donations, the right place/time*
  - *Agenda, homework, right topics*

- *Start about 4 months before event*
  - *Plan, market, host, evaluation, post*

Colorado WQMC

Charter (Structure, Goals, Work plan,$,Funding)

- Leadership Team

  (Accountability, Direction, recruitment, funding, etc.)
- Outreach

  (Swaps, data calls, needs Assessments, webpage, presentations, training)
- Mentoring

  (data sets- gaps, analyses, interpretation, methods, monitoring designs, methods, data management, requlations, etc.)
- Technical Advisory

  (DSN system updates, tracking, operation, Nat'l uploads, etc.)

Funding / Costs

- *Primarily Match from members, interested others*
- *Free location*
- *Donated food*
- *Local, so travel reduced*
- *Maps donated by USGS*
- *Other members donate copies, lodging, travel*

SWAP Values and Challenges

Values	Challenges
Target $ and in-kind support	Perceived USGS competition
Data update “nag” call	Critical mass inclusion
Build on common, inclusion	Technology
Target Training	Stress
Stay relevant	Resources
Populate map/database	

Values/Principles

Inclusion

Participation

Innovation

Transparency

Relevancy

Trust

Leverage Existing Resource

Collaboration Integration

Everyone has something to contribute

SYSTEM:
http://www.epa.gov/storet

WEBSITE:
http://www.coloradowaterquality.com

ACTING CHAIRS

- *Vic Lucero,Vic.Lucero@cityyofthornton.net, 303.255.7771*
- *Barb Horn, barb.horn@state.co.us, 970.382.6667*