

```
mirror_mod = modifier_obj.modifiers.new("mirror_mirror", "MIRROR")
mirror_mod.mirror_object = mirror_obj

# operation = "MIRROR_X":
mirror_mod.use_x = True
mirror_mod.use_y = False
mirror_mod.use_z = False
# operation = "MIRROR_Y":
mirror_mod.use_x = False
mirror_mod.use_y = True
mirror_mod.use_z = False
# operation = "MIRROR_Z":
mirror_mod.use_x = False
mirror_mod.use_y = False
mirror_mod.use_z = True

mirror_obj.select()
modifier_obj.select()
 bpy.context.scene.objects.active = modifier_obj
 print("selected" + str(modifier_obj))

 print("please select exactly two objects, the last"

class MirrorX(bpy.types.Operator):
    """This adds an X mirror to the selected object!"""
    bl_idname = "object.mirror_mirror_x"
    bl_label = "Mirror X"

    @classmethod
    def poll(cls, context):
        return context.active_object is not None
```

# Putting Data to Work

The Open & Transparent Water Data Act

- California's water resource-related datasets can be challenging to identify, access, and use
- More centralized access to data will allow for better water planning, management, and decision-making
- On September 23, 2016 the **Open and Transparent Water Data Act** (Assembly Bill 1755) was signed into law

*Putting Data to Work*  
The Open & Transparent Water Data Act

- AB 1755 is an opportunity to integrate and increase access to water data collected by governmental agencies, which will:
  - Foster collaboration among state agencies
  - Create opportunities to share and integrate datasets
  - Minimize duplicate data gathering and reconciliation of diverse datasets
  - Improve water resources management and operations through data-driven decision-making
  - Improve transparency and accountability

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The Open & Transparent Water Data Act

## Key Dates

- January 1, 2018: strategic plan for data management to guide implementation of the Act
- January 1, 2018: protocols for data sharing, documentation, quality control, public access, promotion of open-source platforms, and decision support tools related to water data
- April 1, 2018: request for proposal(s), if necessary, for platform development

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## Key Dates (cont'd)

- By September 1, 2019 the following datasets are to available on the platform:
  - DWR State Water Project reservoir operations, groundwater levels, urban water use, and land use
  - SWRCB data on water rights, water diversion, and water quality (CEDEN)
  - CDFW information on fish abundance and distribution
  - USGS streamflow conditions (NWIS)
  - USBR Central Valley Project operations information
  - USFWS, USFS, and NOAA Fisheries fish abundance information

## Key Dates (cont'd)

- By August 1, 2020: DWR shall make available on the platform data related to California water supply and management held by:
  - U.S. Bureau of Reclamation
  - U.S. Fish and Wildlife Service
  - National Oceanic and Atmospheric Administration
  - U.S. Geological Survey
  - U.S. Forest Service

- Implementation partners include:
  - State Water Resources Control Board
  - California Department of Fish and Wildlife
  - California Water Quality Monitoring Council
  - Governor's Office of Planning and Research
  - Government Operations Agency (GovOps)
  - California Natural Resources Agency
  - Delta Stewardship Council
  - Academia (e.g., California Council on Science and Technology, UC Water)

Exploring Funding and Governance Models

User Demands (Use Cases)

OWIA Recommendations

Data Challenges and Test Bed

Strategic Plan

Protocols

Implementation Plan

Data are:

- Sufficient
- Accessible
- Useful
- Used

INTEROPERABLE PLATFORMS

*...Future...*

Useful data for sound, sustainable water resource management



Implementation Plan

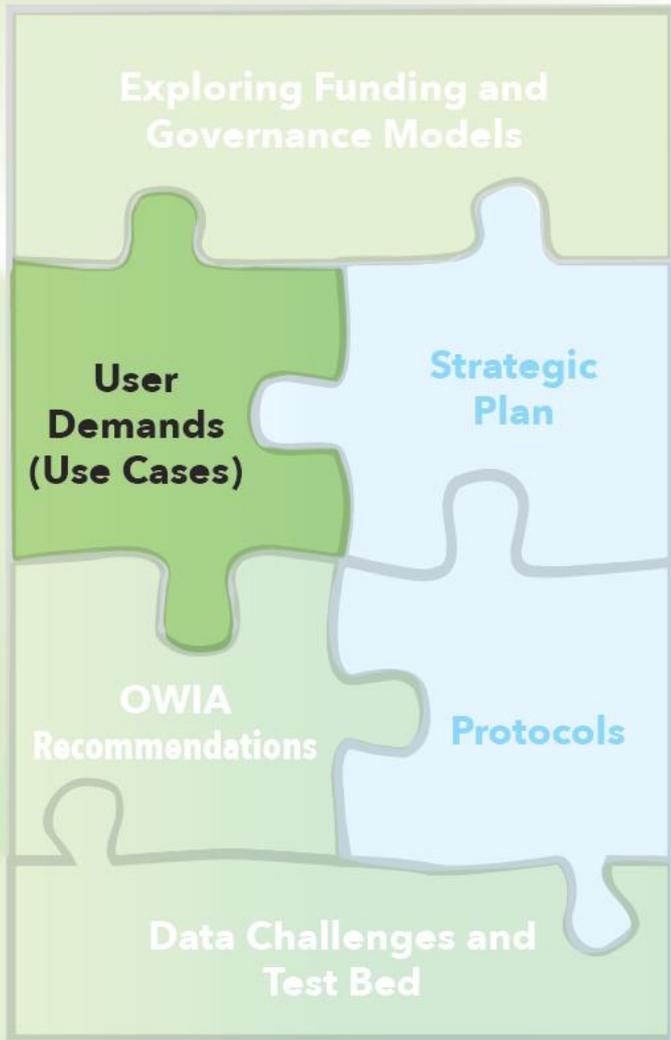
- Data are:
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Useful data  
for sound,  
sustainable  
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management





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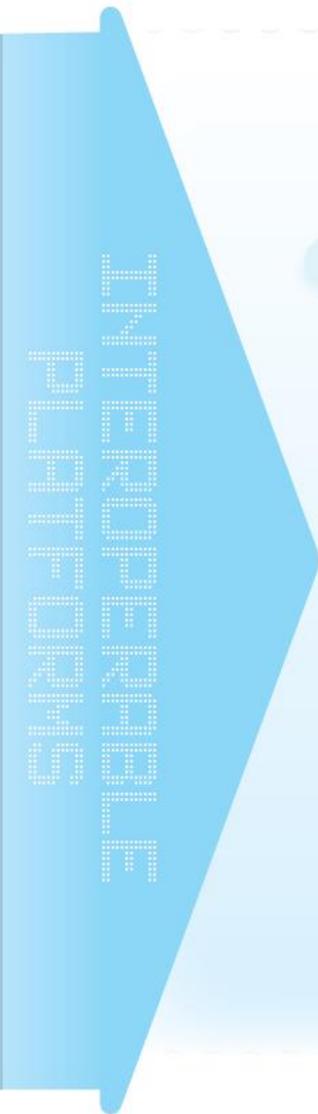
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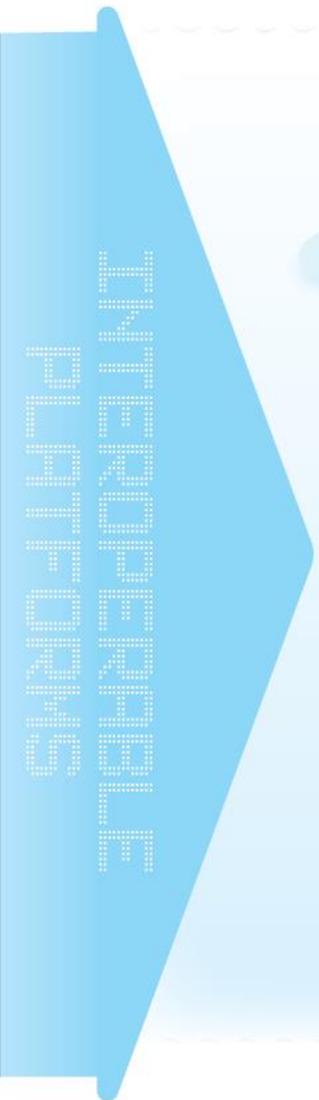
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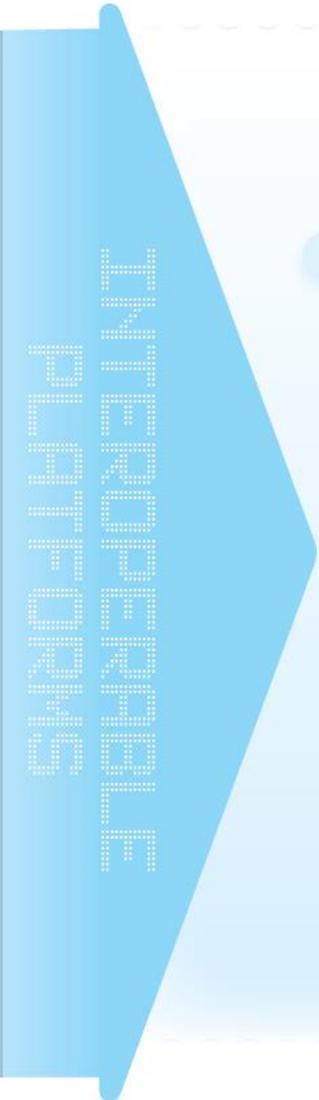
Useful data for sound, sustainable water resource management



**Implementation Plan**

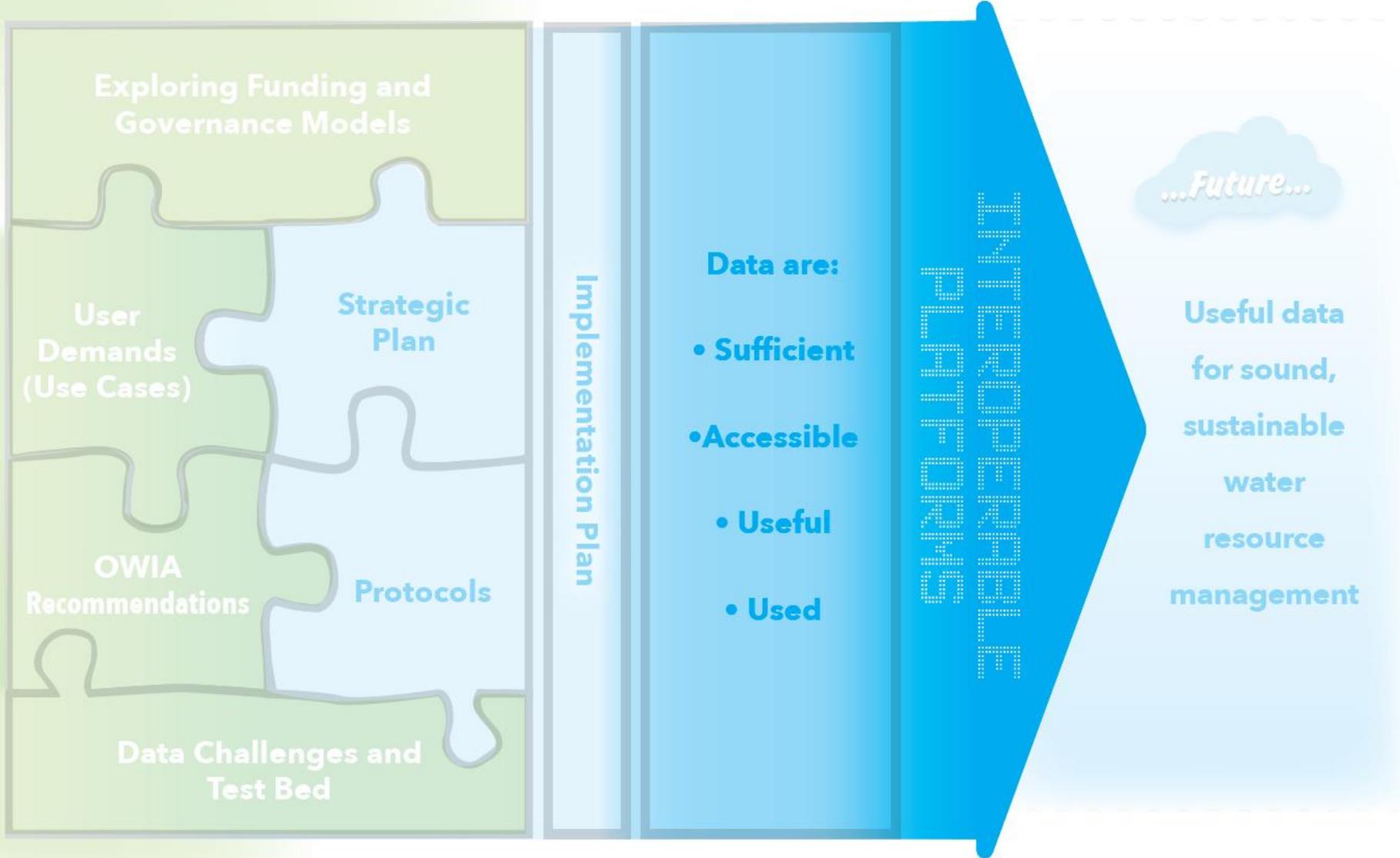
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**Exploring Funding and Governance Models**

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**INTEROPERABLE PLATFORMS**

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## ■ How and when can you get involved?

- Review documents - Comment by March 16

*Progress Report: Implementing the Open and Transparent Water Data Act with Initial Draft Strategic Plan and Preliminary Protocols (January 2018)*

<https://www.water.ca.gov/Programs/All-Programs/AB-1755>

- Attend staff information session(s) – TBD
- Participate in data challenge – April 2018
- Participate in interoperability “test bed” – summer 2018

**Putting Data to Work**  
The Open & Transparent Water Data Act

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