AGENDA

REGION 8 - LOWER BRAZOS REGIONAL FLOOD PLANNING GROUP

Virtual Meeting

10:00 a.m. – Thursday, March 25, 2021

Click here to join the meeting

Phone: 469-206-8623 Conference ID: 210 324 90#

Meeting agendas and meeting materials are available online at www.lowerbrazosflood.org

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If you wish to provide written comments prior to or after the meeting, please email your comments to pamela.hannemann@brazos.org and include "Region 8- Lower Brazos RFPG" in the subject line of the email.

Members of the public are invited to address the Lower Brazos RFPG during the public comment section of the meeting. Those wishing to do so may access the meeting via video and/or telephone conference using Microsoft Teams.

Link to access the meeting via an internet web browser on your computer or smartphone. Recommended web browsers for using Microsoft Teams are Google Chrome and Microsoft Edge.

You may also join the meeting by telephone by dialing +1 469-206-8623 and entering the conference ID **210 324 90#**

As a courtesy, when joining the meeting we ask that you please mute your computer or phone audio, unless you are addressing the Lower Brazos RFPG during the public comment period.

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1. **Call Meeting to Order**
2. **Attendance and Announcements**
3. **Approval of Minutes from the February 25, 2021 meeting**
4. **Public Input - Public questions and comments on agenda items or flood planning issues *(limited to 3 minutes each)***
5. **Report and possible discussion on report from Texas Water Development Board (TWDB) staff.**
6. **Presentation from General Land Office (GLO) on GLO Combined River Basin Flood Study Overview**
7. **Report and possible discussion on report by Regional Planning Sponsor**

8. **Report and possible action on recommendation from the RFQ Committee on selection of a Technical Consultant for the Region 8 – Lower Brazos Regional Flood Planning Group.**
9. **Possible action to authorize the Region 8 RFPG Sponsor, Brazos River Authority, to negotiate and execute a contract with the selected firm to provide technical consulting services in conjunction with the development of a regional flood plan**
10. **Discussion and possible recommended action on pre-planning meetings**
11. **Report from Lower Brazos RFPG Chair**
12. **Discussion on new business to be considered at next meeting**
13. **Confirmation of next meeting date – April 22, 2021**
14. **Adjourn**

Agenda items may be considered, deliberated and/or acted upon in a different order than set forth above.

For additional information, please contact

pamela.hannemann@brazos.org, 254-761-3135, Brazos River Authority, 4600 Cobbs Dr. Waco, TX 76710

Region 8 - Lower Brazos
Regional Flood Planning Group

LOWER BRAZOS REGIONAL FLOOD PLANNING GROUP

March 25, 2021

10:00 AM

VIRTUAL MEETING

Region 8 - Lower Brazos
Regional Flood Planning Group

1. **Call Meeting to Order**
2. **Attendance and Announcements**
3. **Approval of Minutes from the Previous Meeting**

   February 25, 2021

4. **Public Input** ***(limited to 3 minutes each)***

Meeting Minutes

REGION 8 - LOWER BRAZOS REGIONAL FLOOD PLANNING GROUP

Virtual Meeting

10:00 a.m. – Thursday, February 25, 2021

Click here to join the meeting

Phone: 469-206-8623 Conference ID: 229 936 754#

1. **Call Meeting to Order.**
   Vice Chair Alysha Girard presided over the meeting in Chair Brandon Wade's scheduled absence for this meeting. Alysha called the meeting to order at 10:00am with a quorum present.
2. **Attendance and Announcements**
   Roll Call:
   Voting Members

Susan Alford	P	Glenn Lord	P
Anthony Beach	P	Matt Phillips	P
Sujeeth Draksharam	P	Gary Spicer	P
Andrew Earles	A	Mark Vogler	P
Alysha Girard	P	Brandon Wade	Alt. – Jake Hollingsworth
David Lilly	A	Claudia Wright	A
P- Present, A- Absent,			

   Quorum Present: Yes, 10 of 12 voting members present at roll call. Quorum is 7 of 12 voting members.

3. **Approval of Minutes from the December 12, 2020 and the January 28, 2021 meeting**
   The December 12, 2020 meeting were accepted as presented. The January 28, 2021 meeting minutes were amended to show Gary Spicer as being in attendance. He arrived after roll call attendance was taken. Susan Alford made the motion to accept the minutes with the edit as noted above and Mark Vogler seconded the motion. The motion passed unanimously.
4. **Public Input - Public questions and comments on agenda items or flood planning issues *(limited to 3 minutes each)***
   Alysha opened the floor for public comments. No public comments were received prior to the meeting and no one present provided any comments during the meeting.
5. **Report and possible discussion on report from Texas Water Development Board (TWDB) staff**
   Ryke Moore, TWDB Regional Planner, provided a brief update including reminders of

important dates in regional flood planning.

6. **Report and possible discussion on report by Regional Planning Sponsor**
   Aaron Abel, BRA Water Services Manager, provided updates on the flood planning sponsor activities. The RFQ has been posted with a couple of Addendums, response due date has been extended due to the extreme weather event that caused power outages and connectivity issues throughout the state of Texas. RFQ responses are due March 3, 2021 at 10:00am, with the reading of responses received on March 4th at 10:00am.

7. **Discussion and possible action regarding additional non-voting representatives from other agencies with interests related to regional flood planning.**
   Discussion on additional non-voting member agencies. The following agencies were discussed and presented for vote. Passed by 2/3rd vote to extend an invitation to the following agencies: US Army Corp of Engineers, FEMA, Fort Bend Subsidence District and Brazoria County.
8. **Discussion and possible action regarding non-voting member Liaison representatives to the Brazos G and Region H Regional Water Planning Groups. Representatives were chosen to present the Region 8 Lower Brazos Regional Flood Planning Group to both Brazos G and Region H Water Planning Groups.** The group voted by majority vote for Brandon Wade to be Region 8's Liaison to the Brazos G Regional Water Planning Group and Glenn Lord to be Region 8's Liaison to the Region H Regional Water Planning Group.
9. **Discussion and possible recommended action for future consideration concerning pre-planning public input as required by Texas Water Code §16.062(d) and 31 Texas Administrative Code §361.12(a)(4)**
   The group decided to carry this over this discussion to the March meeting. Members also noted that they would like additional information and that the pre-planning meetings would be best scheduled once a Technical Consultant was on board.
10. **Report from the RFQ Sub-Committee Chair**
    Alysha Girard shared that the RFQ Committee meeting is scheduled for March 11, 2021 at 2:00pm.
11. **Report from Lower Brazos RFPG Chair**
    Alysha Girard provided the Chair Report as the presiding officer for this meeting.
12. **Discussion on new business to be considered at next meeting**

Discussion on the required pre-planning public meetings.

13. Confirmation of next meeting date – March 25, 2021

14. Adjourn

Meeting was adjourned at 10:49am by Alysha Girard.

Approved by the Region 8 Lower Brazos RFPG at the March 25, 2021 meeting.

Matt Phillips, Secretary

Brandon Wade, Chairman

Region 8 - Lower Brazos
Regional Flood Planning Group

5. Report and possible discussion on report from Texas Water Development Board (TWDB) staff

Region 8 - Lower Brazos
Regional Flood Planning Group

6. Presentation from General Land Office (GLO) on GLO Combined River Basin Flood Study Overview

RIVER BASIN FLOOD STUDY
CENTRAL REGION

Texas General Land Office

Community Development and Revitalization (GLO-CDR)

Flood Studies within Combined River Basins

Study Overview

"We work to rebuild communities, to put Texans back in their homes and help businesses recover after the trauma of disaster."

~ George P. Bush, Commissioner

GLO-CDR Planning Mission

RIVER BASIN FLOOD STUDY CENTRAL REGION

Mission Statement:

GLO-CDR Planning team designs and oversees planning studies to collect, analyze, and communicate disaster-related data to assist decision makers to better protect Texans from future disasters.

What do decision makers need to make good decisions? Good data

- Evaluate actual risk – data must be accurate and reliable
- Support cost effective mitigation strategies
- Determine funding sources for future projects

GLO-CDR Planning Team

RIVER BASIN FLOOD STUDY
CENTRAL REGION

Jet Hays
Deputy Director of Integration
Jet.Hays.GLO@recovery.texas.gov

Colleen Jones
Director of Planning
Colleen.Jones.GLO@recovery.texas.gov

Shonda Mace
Region - West
Shonda.Mace.GLO@recovery.texas.gov

Ellen Kinsey
Region - Central
Ellen.Kinsey.GLO@recovery.texas.gov

Tyler Payne
Region - East
Tyler.Payne.GLO@recovery.texas.gov

Delivery Partners

RIVER BASIN FLOOD STUDY
CENTRAL REGION

Texas A&M AgriLife Extension

TXGLO

FEMA

National Weather Service

Texas Water Development Board

Texas Department of Transportation

TNRIS

US Army Corps of Engineers®

NOAA

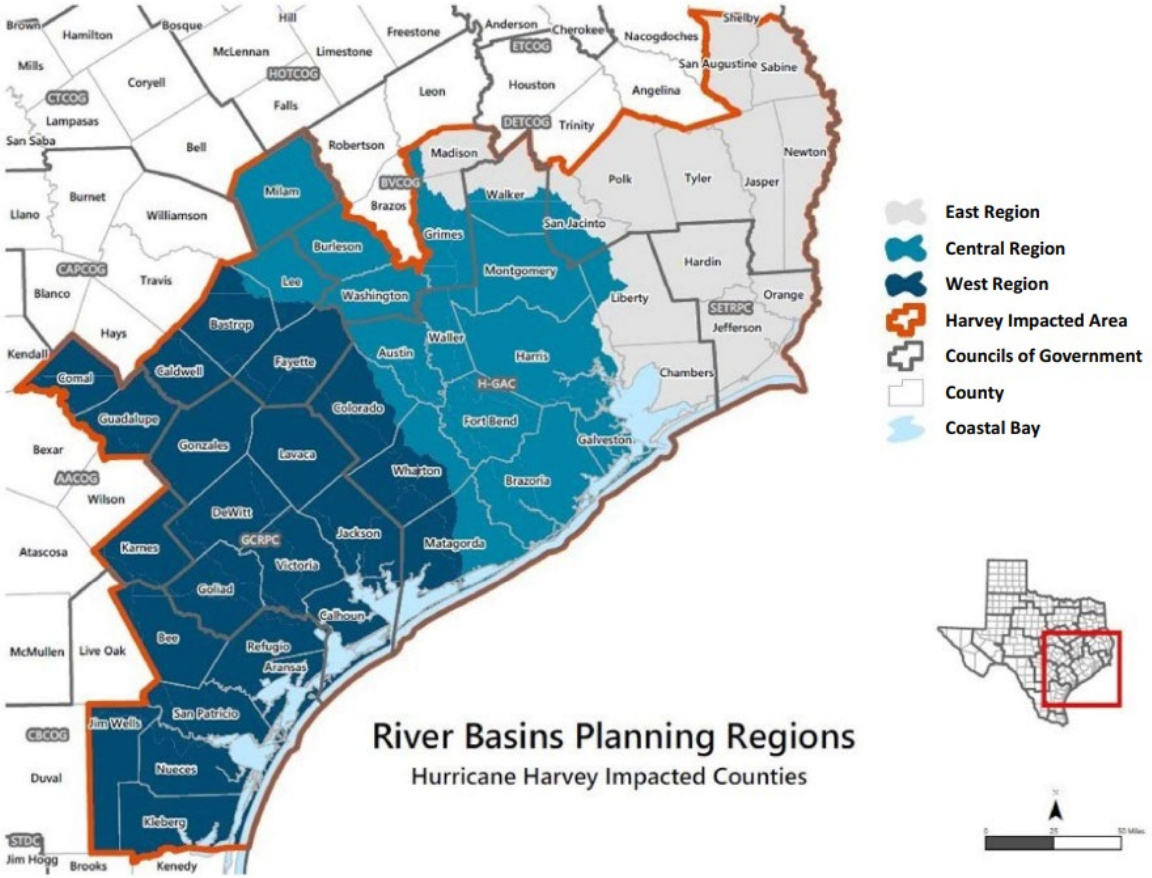
USGS science for a changing world

Texas Division of Emergency Management

Regional Flood Study Goals

RIVER BASIN FLOOD STUDY
CENTRAL REGION

- Evaluation of flood risks within the study area
- Development of cost-effective flood mitigation strategies
- Determination of funding sources for mitigation projects



Texas Disaster Information System (TDIS)

RIVER BASIN FLOOD STUDY CENTRAL REGION

- Data and information produced by the GLO's Combined River Basin Flood Studies program will inform TDIS.
- TDIS will house critical flood risk information through an accessible online dashboard to support preparedness, response, recovery, and mitigation for Texas.
- Provides users with the most current and accurate information available to assess related disaster risks, impacts, and mitigation strategies.
- Texas A&M University Systems (TAMUS) will house the disaster database.

Central Region Study Team

RIVER BASIN FLOOD STUDY
CENTRAL REGION

H2O PARTNERS

FREESE AND NICHOLS

Dewberry

HOLLAWAY
ENVIRONMENTAL + COMMUNICATIONS

LANDTECH

TORRES & ASSOCIATES, LLC
ENGINEERS | SCIENTISTS | PROFESSIONALS

KSBR

THE WATER INSTITUTE OF THE GULF

TAYLOR ENGINEERING, INC.

Dr. Nick Fang

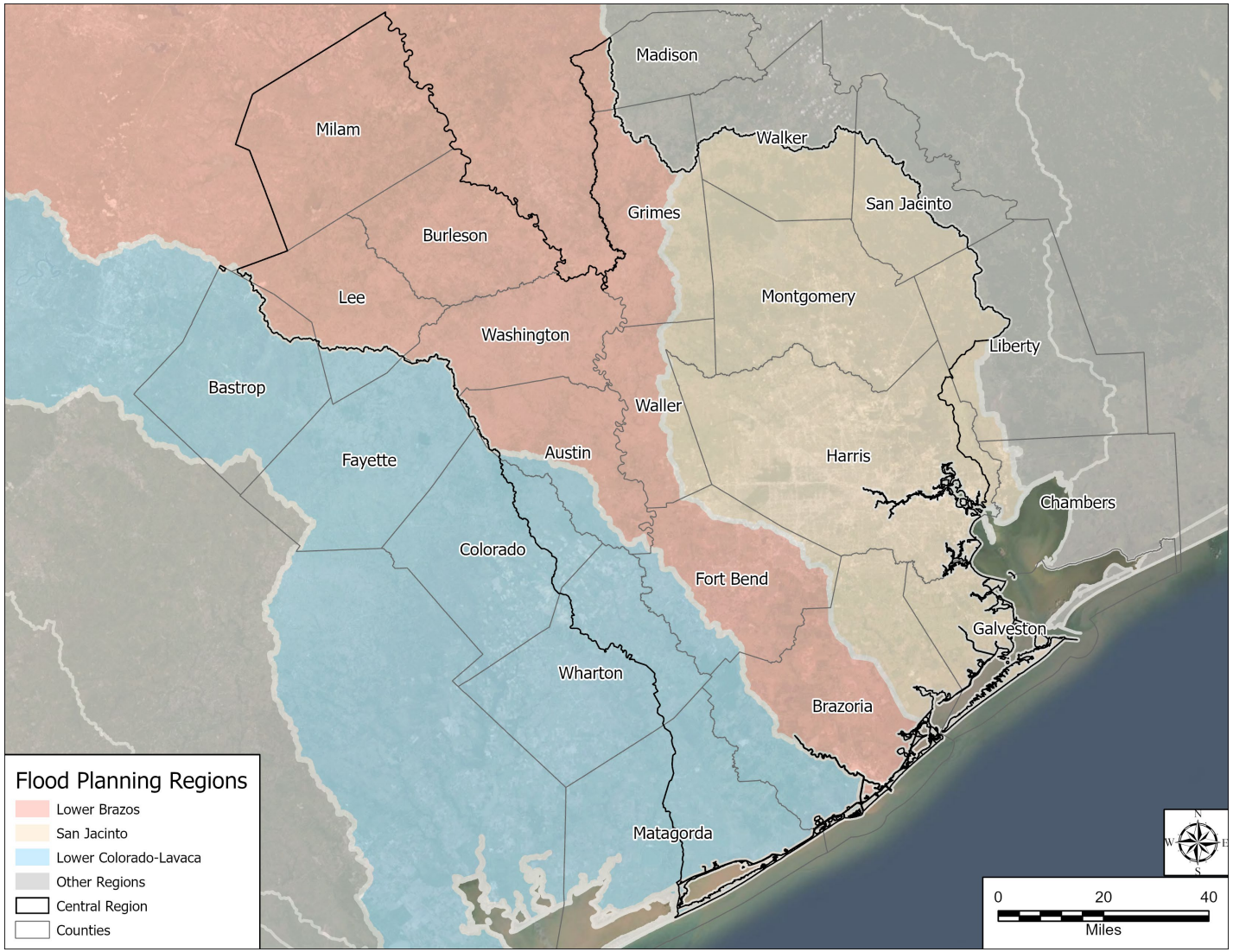
THE UNIVERSITY OF IOWA

CivilCorp
ENGINEERS • SURVEYORS

Ce Hydro LLC

Central Region/Lower Brazos RFPG Overlap

RIVER BASIN FLOOD STUDY
CENTRAL REGION



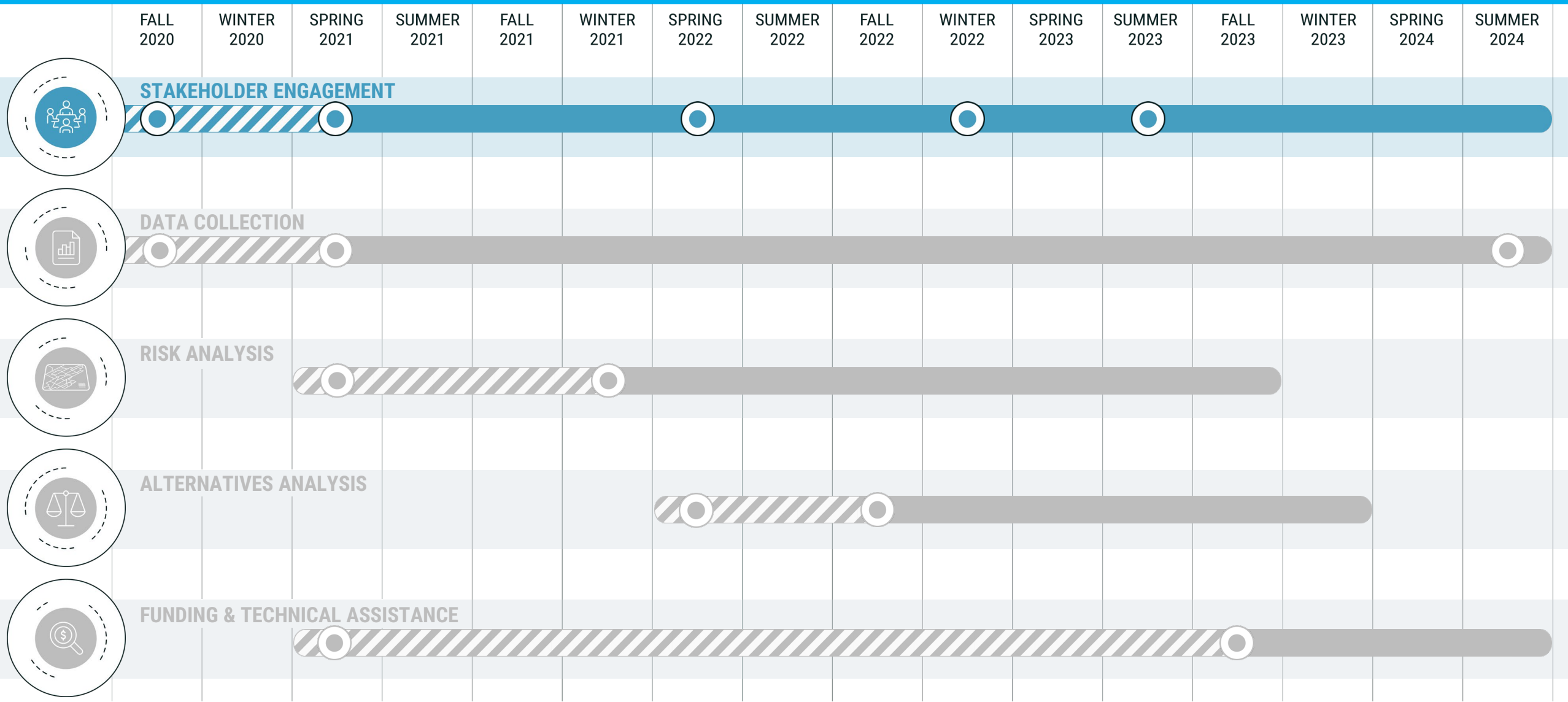
Strategic Framework

RIVER BASIN FLOOD STUDY
CENTRAL REGION

Strategic Framework

LEGEND
PLANNING
EXECUTION

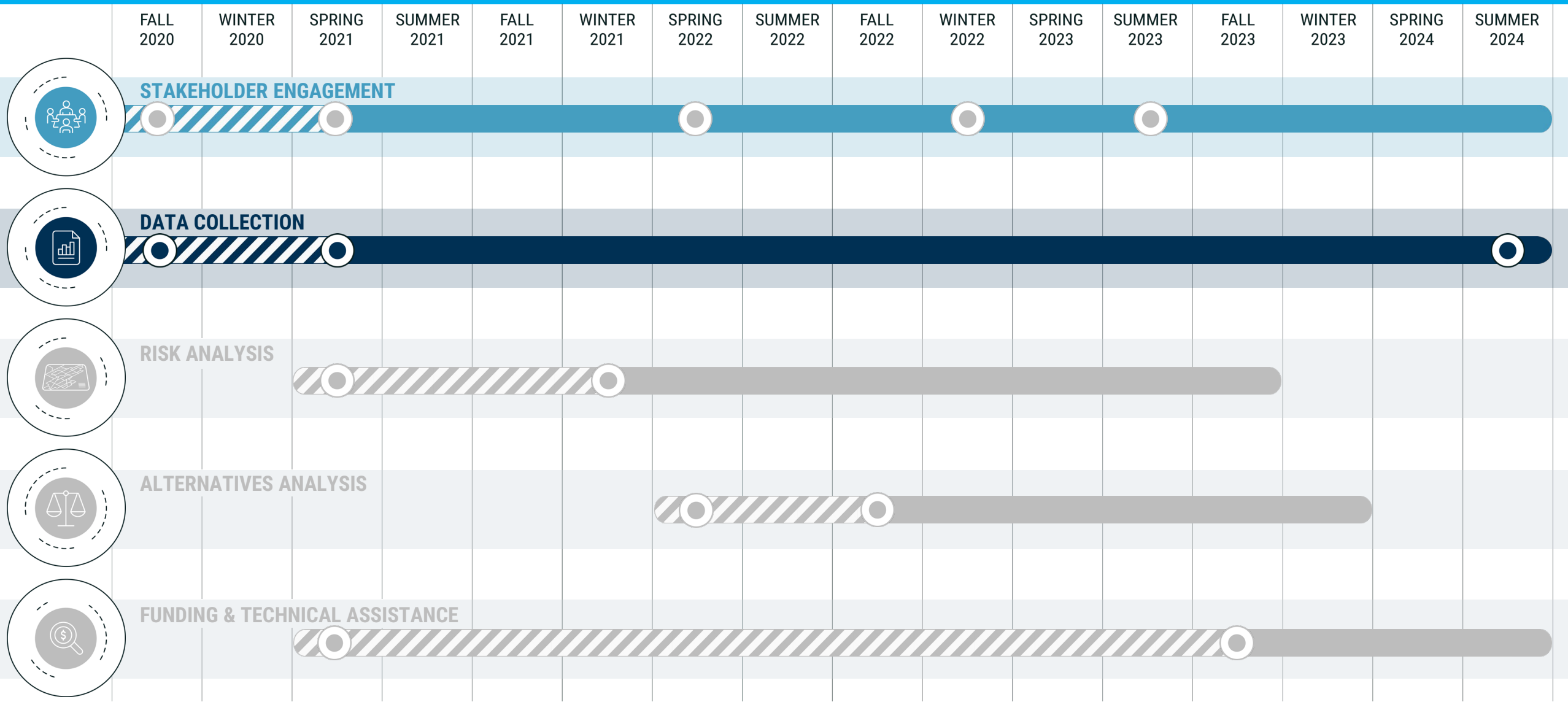
RIVER BASIN FLOOD STUDY
CENTRAL REGION



Strategic Framework

LEGEND
PLANNING
EXECUTION

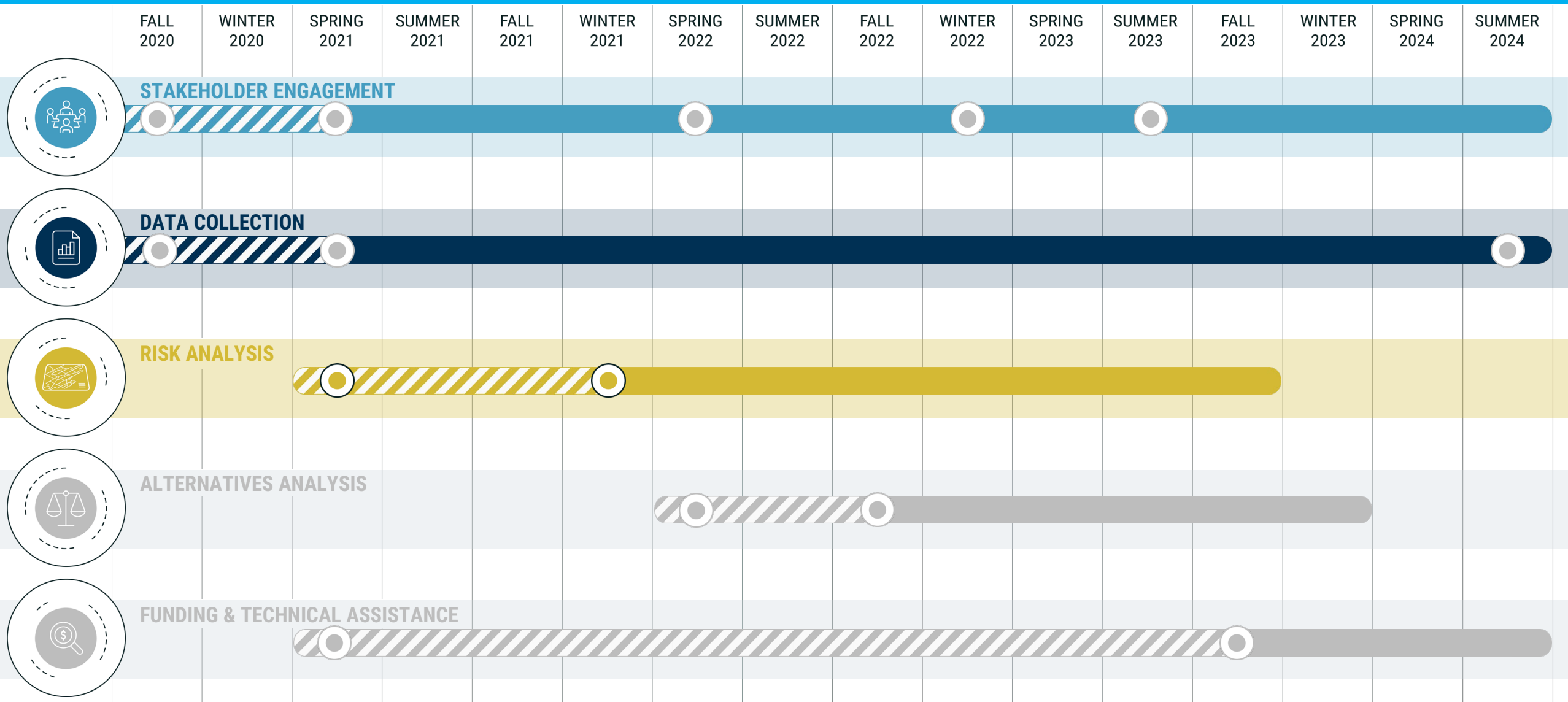
RIVER BASIN FLOOD STUDY
CENTRAL REGION



Strategic Framework

LEGEND
PLANNING
EXECUTION

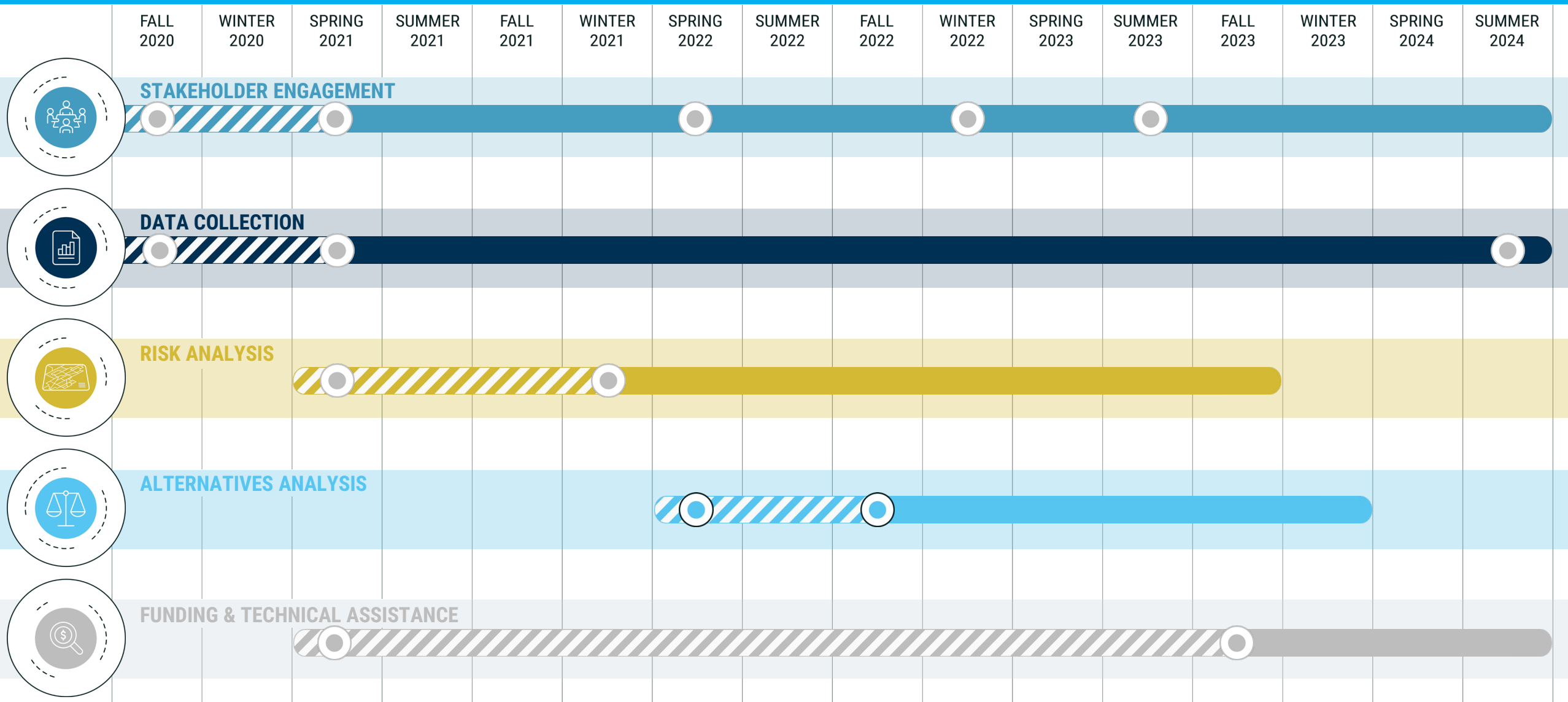
RIVER BASIN FLOOD STUDY
CENTRAL REGION



Strategic Framework

LEGEND
PLANNING
EXECUTION

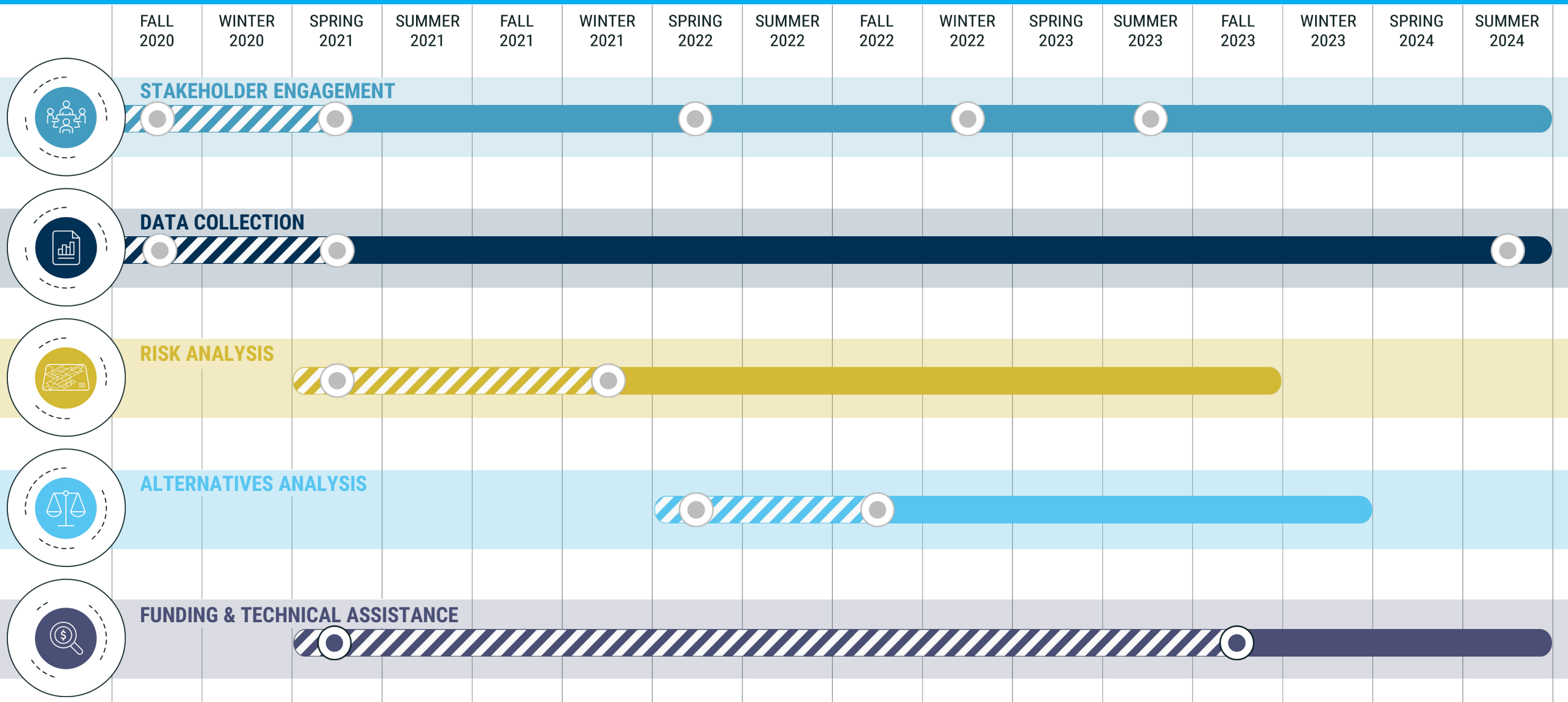
RIVER BASIN FLOOD STUDY
CENTRAL REGION



Strategic Framework

LEGEND
PLANNING
EXECUTION

RIVER BASIN FLOOD STUDY
CENTRAL REGION



Strategic Framework

LEGEND
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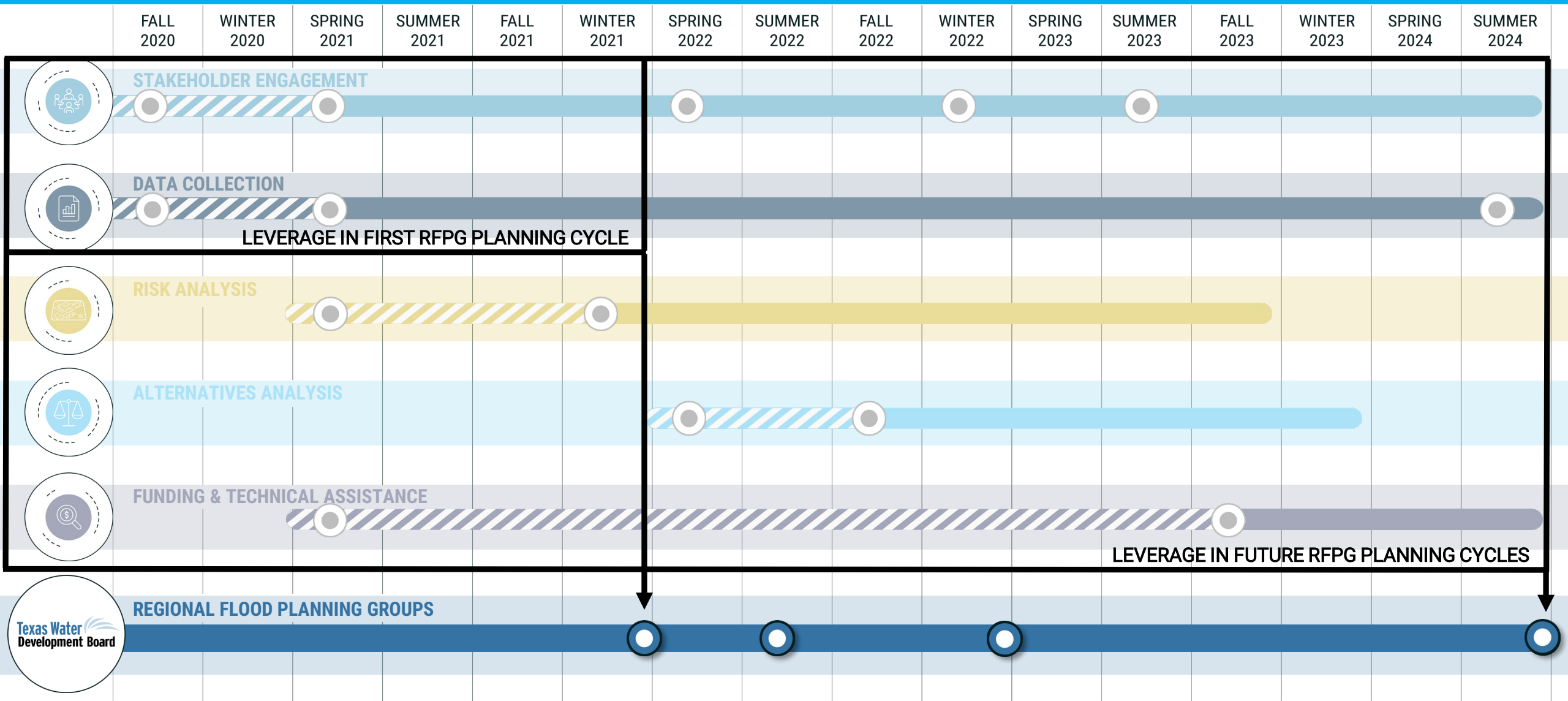
RIVER BASIN FLOOD STUDY
CENTRAL REGION



Strategic Framework

LEGEND
- PLANNING
- EXECUTION

RIVER BASIN FLOOD STUDY
CENTRAL REGION

FALL 2020 | WINTER 2020 | SPRING 2021 | SUMMER 2021 | FALL 2021 | WINTER 2021 | SPRING 2022 | SUMMER 2022 | FALL 2022 | WINTER 2022 | SPRING 2023 | SUMMER 2023 | FALL 2023 | WINTER 2023 | SPRING 2024 | SUMMER 2024

STAKEHOLDER ENGAGEMENT

DATA COLLECTION

RISK ANALYSIS

ALTERNATIVES ANALYSIS

FUNDING & TECHNICAL ASSISTANCE

REGIONAL FLOOD PLANNING GROUPS

Texas Water Development Board

JANUARY 2022
- Technical Memo Submission (50%)

MILESTONE

MILESTONE

AUGUST 2022
- Draft RFP due to TWDB

MILESTONE

JANUARY 2023
- Final RFP due to TWDB

SEPTEMBER 2024
- Texas Flood Plan due to Legislature

MILESTONE

Comparison Between GLO Study and RFPGs

RIVER BASIN FLOOD STUDY CENTRAL REGION

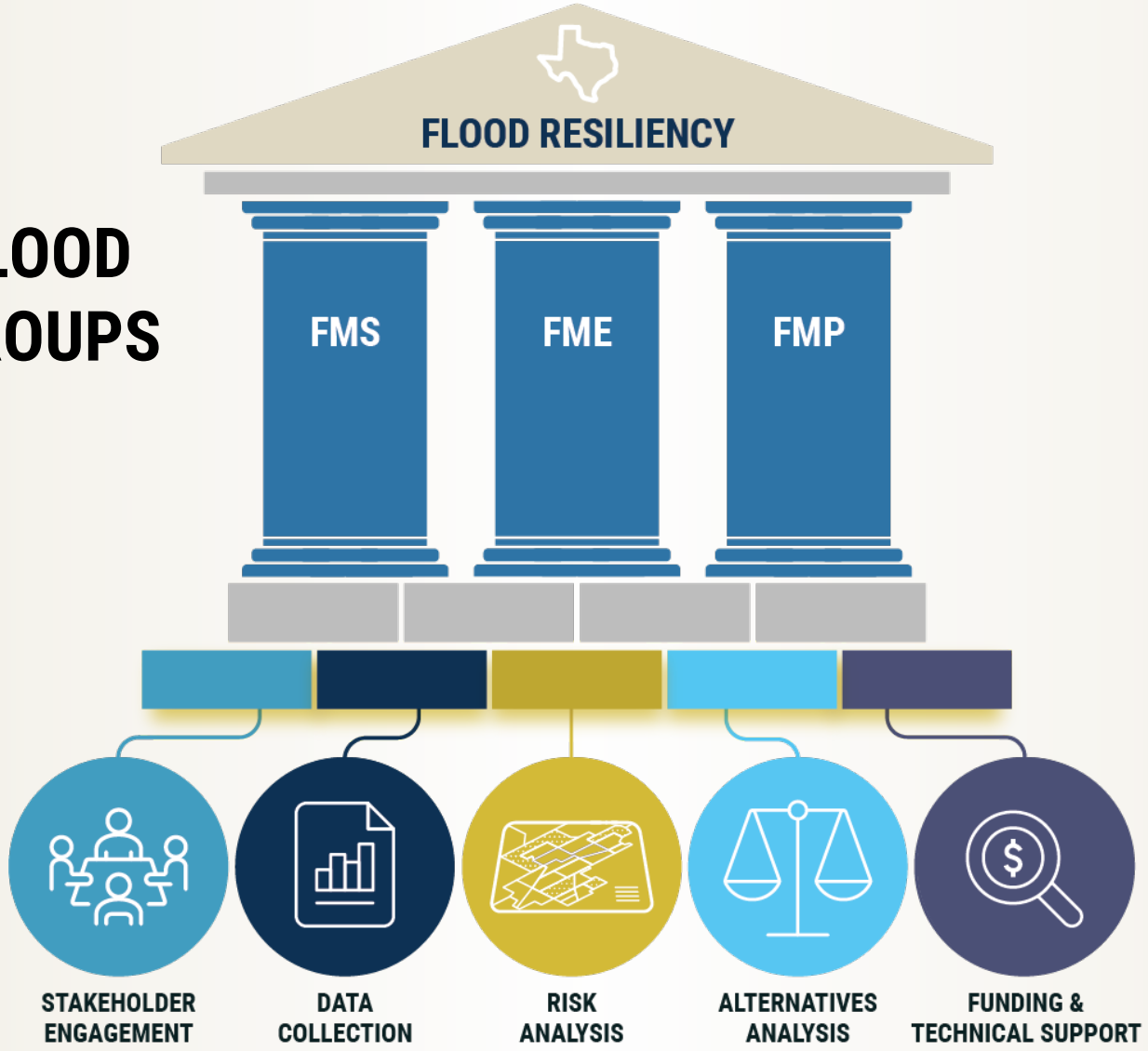
	Combined River Basins Study	Regional Flood Planning Groups
Study Leads	Texas General Land Office (GLO)	Texas Water Development Board (TWDB)
Location	**Presidential disaster-impacted counties** within Texas • East, Central, West (Harvey) • Lower Rio Grande Valley (2015/2016)	**All of Texas**
Project Goals	Evaluate flood risks to inform the development of **cost-effective mitigation projects** and align them with appropriate funding opportunities **Share all data and information collected and produced** to support current and future flood resiliency efforts (ex. State Flood Plans, Texas Disaster Information System)	Develop **Regional and State Flood Plans**, aimed to reduce the risk and impact of flooding to lives and property
Flooding Types Considered	• Coastal flooding • Riverine flooding	• Coastal flooding • Riverine flooding • Dam Safety
Level of Detail	**Detailed** to support alternatives analysis and project cost estimates for **targeted high-risk areas**	**Planning-level**
Delivery Timeline	**One-time** **Deadline**: Summer 2024	**Cyclical** (updated every 5 years) **Deadline**: August 2022 (First Planning Cycle Draft Flood Plan due to TWDB)
Budget	**$85M Total** • $25M per East, Central, West Regions (HUD CDBG-DR) • $10M for Lower Rio Grande Valley Region (CDBG-MIT)	**$19.5M Total** (First Planning Cycle)

A Coordinated Approach

RIVER BASIN FLOOD STUDY
CENTRAL REGION

REGIONAL FLOOD PLANNING GROUPS

RIVER BASIN FLOOD STUDY

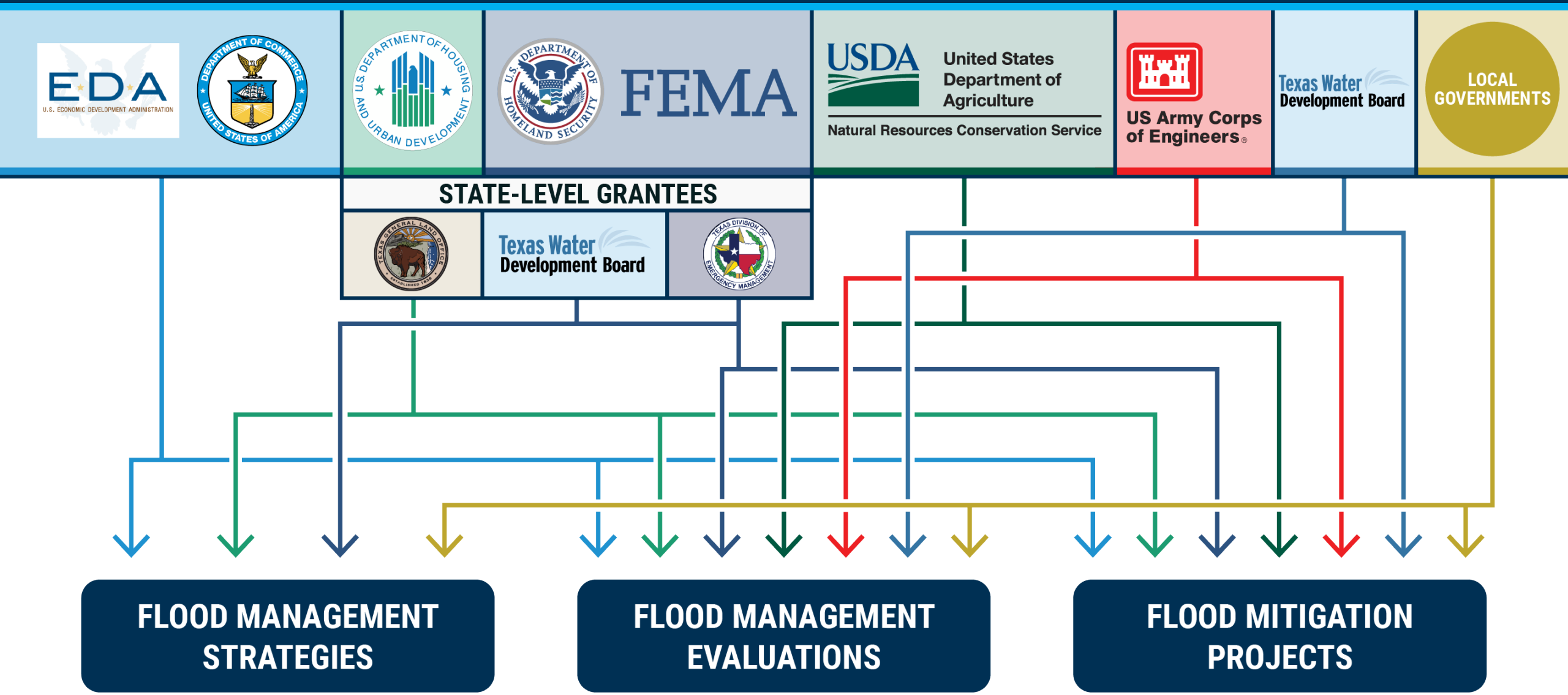


ACRONYMS

- FMS: Flood Management Strategies
- FME: Flood Management Evaluations
- FMP: Flood Mitigation Projects

Identification of Project Funding

RIVER BASIN FLOOD STUDY
CENTRAL REGION



How Can the Flood Basin Study Benefit the RFPG Planning Process?

RIVER BASIN FLOOD STUDY
CENTRAL REGION

First RFPG Planning Cycle

- Share stakeholder engagement resources developed or compiled
- Provide available data collected, including funding source information

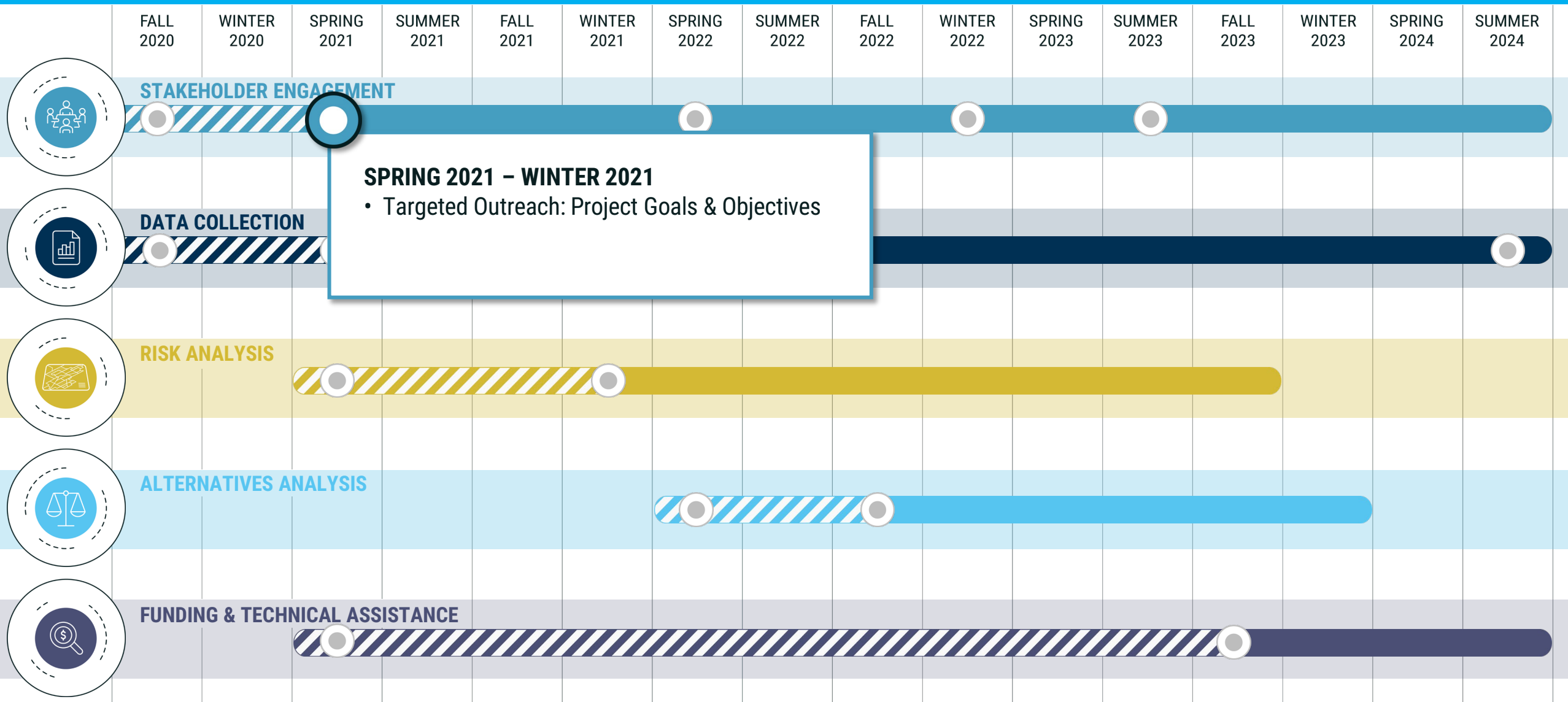
Future RFPG Planning Cycles

- Share stakeholder engagement information and resources compiled as a result of this Study
- Provide collected and produced flood risk data
- Share baseline flood risk modeling and mapping where developed
- Provide information on identified flood mitigation projects (FMPs) developed in support of alternatives analysis
- Share grant application and technical assistance information developed and collected

Next Steps

LEGEND
- PLANNING
- EXECUTION

RIVER BASIN FLOOD STUDY
CENTRAL REGION



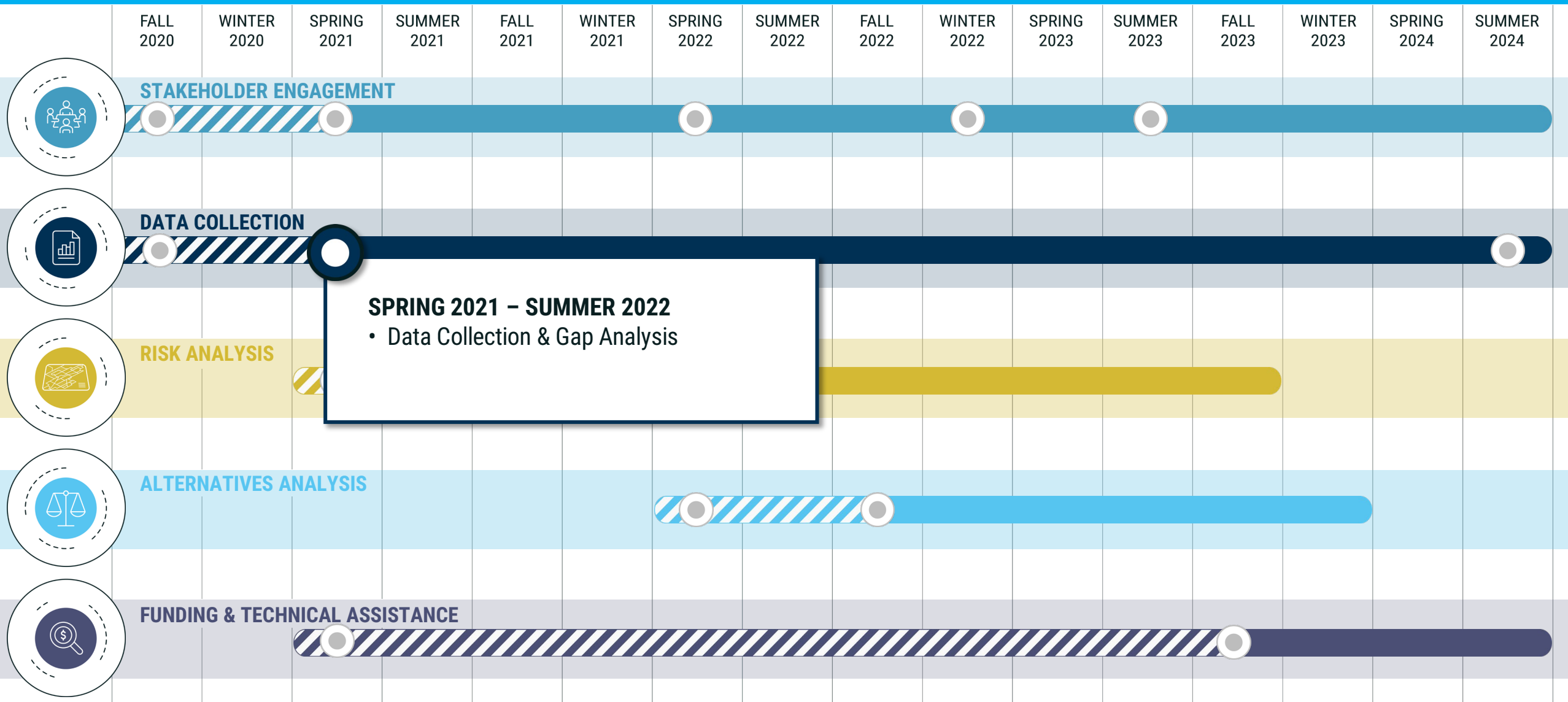
SPRING 2021 – WINTER 2021

- Targeted Outreach: Project Goals & Objectives

Next Steps

LEGEND
PLANNING
EXECUTION

RIVER BASIN FLOOD STUDY
CENTRAL REGION



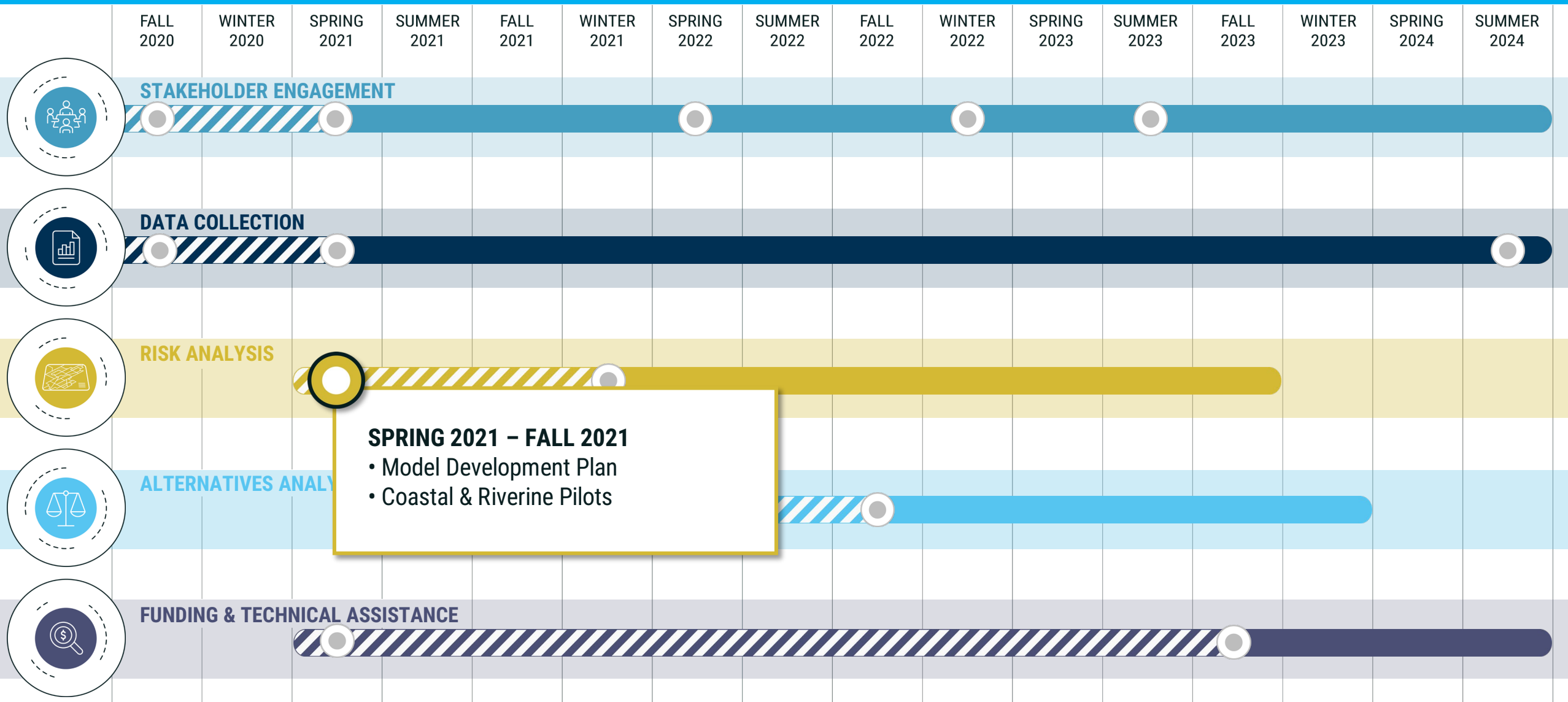
SPRING 2021 – SUMMER 2022

- Data Collection & Gap Analysis

Next Steps

LEGEND
- PLANNING
- EXECUTION

RIVER BASIN FLOOD STUDY
CENTRAL REGION

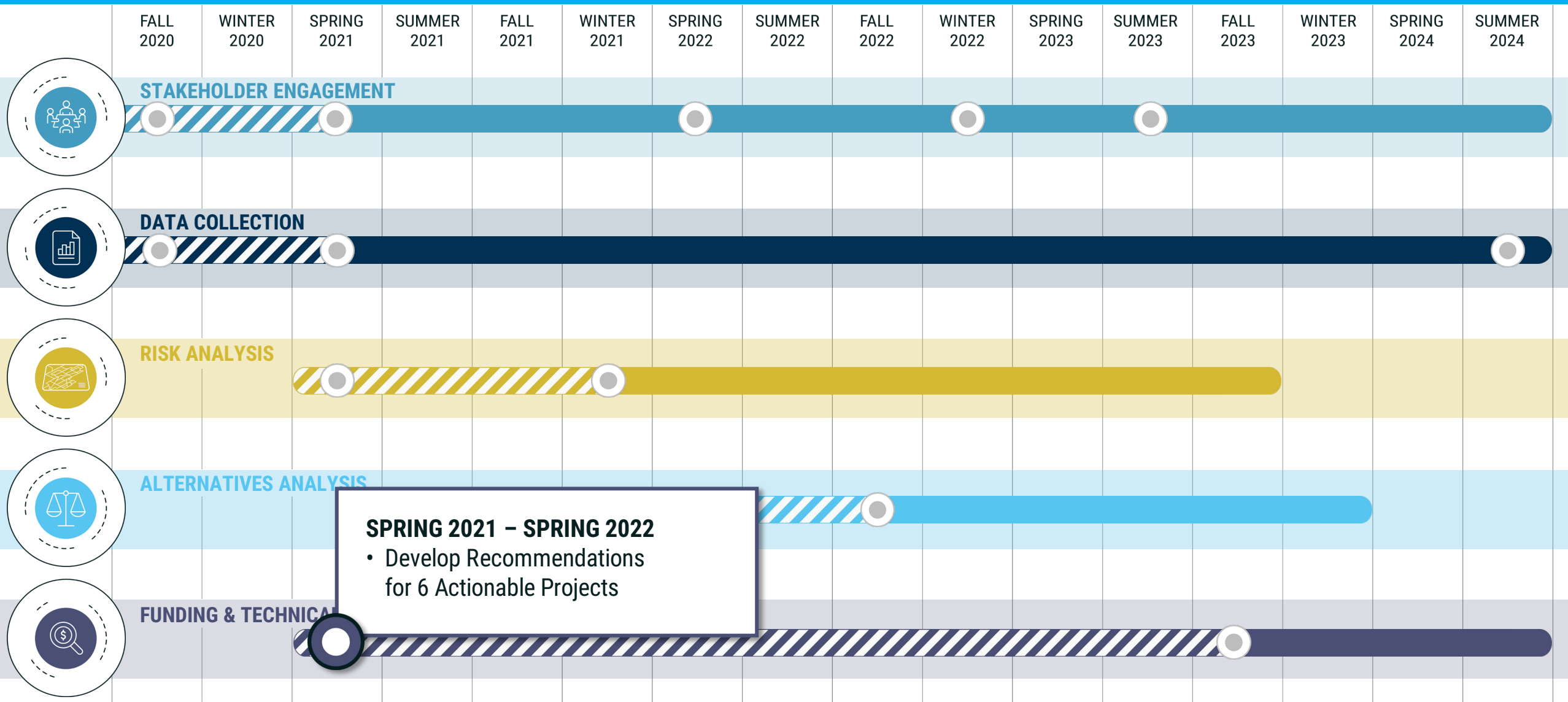


SPRING 2021 – FALL 2021
- Model Development Plan
- Coastal & Riverine Pilots

Next Steps

LEGEND
- PLANNING
- EXECUTION

RIVER BASIN FLOOD STUDY
CENTRAL REGION



SPRING 2021 – SPRING 2022
- Develop Recommendations for 6 Actionable Projects

RIVER BASIN FLOOD STUDY
CENTRAL REGION

Questions?

Contact

Ellen Kinsey

Ellen.Kinsey.glo@recovery.texas.gov

Region 8 - Lower Brazos
Regional Flood Planning Group

7. Report and possible discussion on report by Regional Planning Sponsor

Region 8 - Lower Brazos
Regional Flood Planning Group

8. Report and possible action on recommendation from the RFQ Committee on selection of a Technical Consultant for the Region 8 – Lower Brazos Regional Flood Planning Group.

Region 8 - Lower Brazos
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9. Possible action to authorize the Region 8 RFPG Sponsor, Brazos River Authority, to negotiate and execute a contract with the selected firm to provide technical consulting services in conjunction with the development of a regional flood plan

Region 8 - Lower Brazos
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10. Discussion and possible recommended action on pre-planning meetings

Region 8 - Lower Brazos
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11. Report from Lower Brazos RFPG Chair

Region 8 - Lower Brazos
Regional Flood Planning Group

12. Discussion on new business to be considered at next meeting

Region 8 - Lower Brazos
Regional Flood Planning Group

13. Confirmation of next meeting date –

April 22, 2021

Region 8 - Lower Brazos
Regional Flood Planning Group

14. Adjourn