City of Austin
Watershed Protection Department

Open Data Efforts and “The Data Team”

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Applications and Available Data

- Atxfloods.com!!
- Floodpro
- Development Viewer – CEFs
  - aka Critical Environmental Features
- WPD EDIMS (OpenText eDocs) Viewer – Scientific Reports
- Find Your Watershed Viewer – What Watershed am I In?
  - How's it Doin?
- Socrata Data Portal
  - Water Quality Sampling Data – RAW DATA

Applications and Available Data

What is Next?

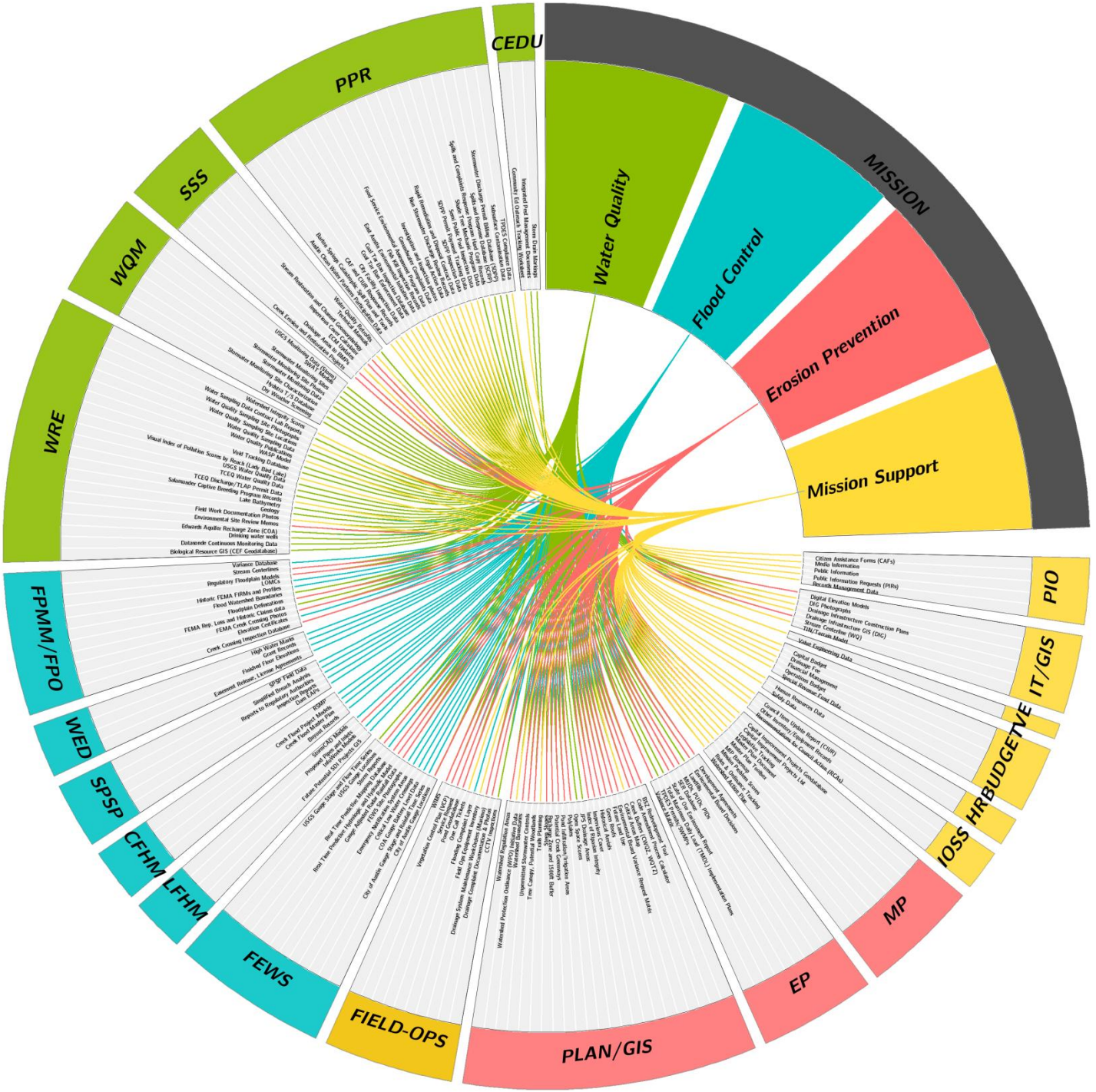
The Data Team

Identify What we've got – use a shared language

Identify Why we're keeping it

Identify How we're Sharing it

Data Attribute
Datasets By Workgroup
MISSION
Water Quality
Flood Control
Erosion Prevention
Mission Support
PP/R
Spills and Response.DB
Stormwater.Discharge.Permit.DB
SSS
Creek.Erosion.Problem.Area.Locations
Creek.Erosion.and.Restoration.Projects
Creek.Erosion.and.Technical.Manuals
WQ-related.Technical.Manuals
Environmental.Criteria.Manual.Updates
Integrated.Pest.Management.Plans
Impervious.Cover.Calculator
Drainage.Area.to.BMPs
Water.Quality.Pond.Retrofits
SWAT.Models
USGS.WQ.Monitoring.Data
Hydstra.TS.DB
WQM
Stormwater.Monitoring.Site.Locations
Stormwater.Monitoring.Data
Dry.Weather.Screening
WRE
Visual.Index.of.Pollution.Scores.by.Reach
Watershed.Integrity.Scores
Environmental.Site.Review
Riparian.Buffer.Zones
Sample.Site.Photos
Hydstra.TS.DB
USGS.Water.Quality.Data
CEF.Geodatabase
WASP.Lake.Algae.Models
Field.Sampling.DB
Edwards.Aquifer.Recharge/Contrib.Boundaries
FPMM/FPO
Regulatory.Floodplain.Models
Floodplain.Variance.DB
FEMA.Repetitive.Loss.Data
Historic.FEMA.Floodplain.Maps(FIRMs)
FEMA.Creek.Crossing.Inspection.DB
FEMA.Floodplain.Map.Changes(LOMCs)
Elevation.Certificates
FEMA.Creek.Crossing.Photos
Flood.Watershed.Boundaries
FEMA.&.COA.Floodplain.Delineations
FEMA.Stream.Centerlines
WED
Flood.Mitigation.Grant.Records
Easement.Releases/License.Agreements
SPSP
Simplified.Dam.Breach.Analysis.Geodatabase
Simplified.Dam.Breach.Analysis.Models
Dam.Emergency.Action.Plans
Dam.Inspection.Field.Data
Dam.Inspection.Reports
CFHM
Floodplain.Buyout.Records
Creek.Flood.Master.Plan
Creek.Flood.Project.Reports
Creek.Flood.Project.Models
Future.Stormdrain.Project.Locations
InfoWorks.Models
Storm/CAD.Models
LFHM
COA.Gauge.Battery.Level.Data
Storm.Reports
Critical.Low.Water.Crossing.Closures
Gauge.Adjusted.Radar.Rainfall.Data
Real.Time.Predictive.Mapping.Geodatabase
Real.Time.Predictive.H&H.Models
FEWS.Site.Photographs
Emergency.Notification.System.Areas
Critical.Low.Water.Crossing.Locations
USGS.Stage.Flow.Time.Series
COA.Rain.Stage.Time.Series
USGS.Stream.Gauge.Locations
COA.Rain.Stream.Gauge.Locations
FEWS
Flooding.Complaint.Locations
Pond.Geodatabase
CCTV.Storm.Drain.Inspection.Video
WIMS(Invasive.Species.Documentation)
One.Call.Tickets
Vegetation.Control.Plan(VCP)
Drainage.Maintenance.Workorders(Maximo)
Service.Requests(311)
Drainage.Complaint.Documentation/Photos
FIELD.OPS
Watershed.Action.Plan
Unpermitted.Stormwater.Controls
Tree.Canopy.and.Potential.Woodlands
Impervious.Cover
EAR2.and.1500'Buffer
PLAN/GIS
Development.Agreements
Environmental.Board.Decisions
MUDs;.PIIDs;.PIDs
Landfill.Locations
Service.Extension.Request.DB
Environmental.Variance.Matrix
Stream.Buffer.Zones
Doblakes.Spatial.File
EP
CIP.Project.List
Master.Plan.Document
MPT.GIS.Basemap
Master.Plan.Toolbox
Mission.Problem.Scores
Ordance.Calculator.Tool
Rules.and.Ordinance.Updates
Annual.State.of.the.Environment.Report
MP
Records.Management.Data
Public.Information.Requests(PIRs)
Council.Item.Update.Report(CIUR)
Recommendations.for.Council.Action(RCAs)
Citizen.Assistance.Forms(CAFs)
Public.Information
IOSS
Human.Resources.Data
Safety.Data
HR
Operations.Budget
Capital.Budget
Fiscal.Surety
Drainage.Utility.Fund
BUDGET
CIP.Assessment.Info
VE
DIG.Spatial.Files
DIG.Photos
Drainage.Infastructure.Const.Plans
Water.Quality.Stream.Centerlines
IT/GIS
Media.Info
PIO


MISSION
Water Quality
Flood Control
Erosion Prevention
Mission Support
CEDU
PPR
SSS
WQM
WRE
FPMM/FPO
WED
SPSP
CFHM
LFHM
FEWS
FIELD-OPS
PLAN/GIS
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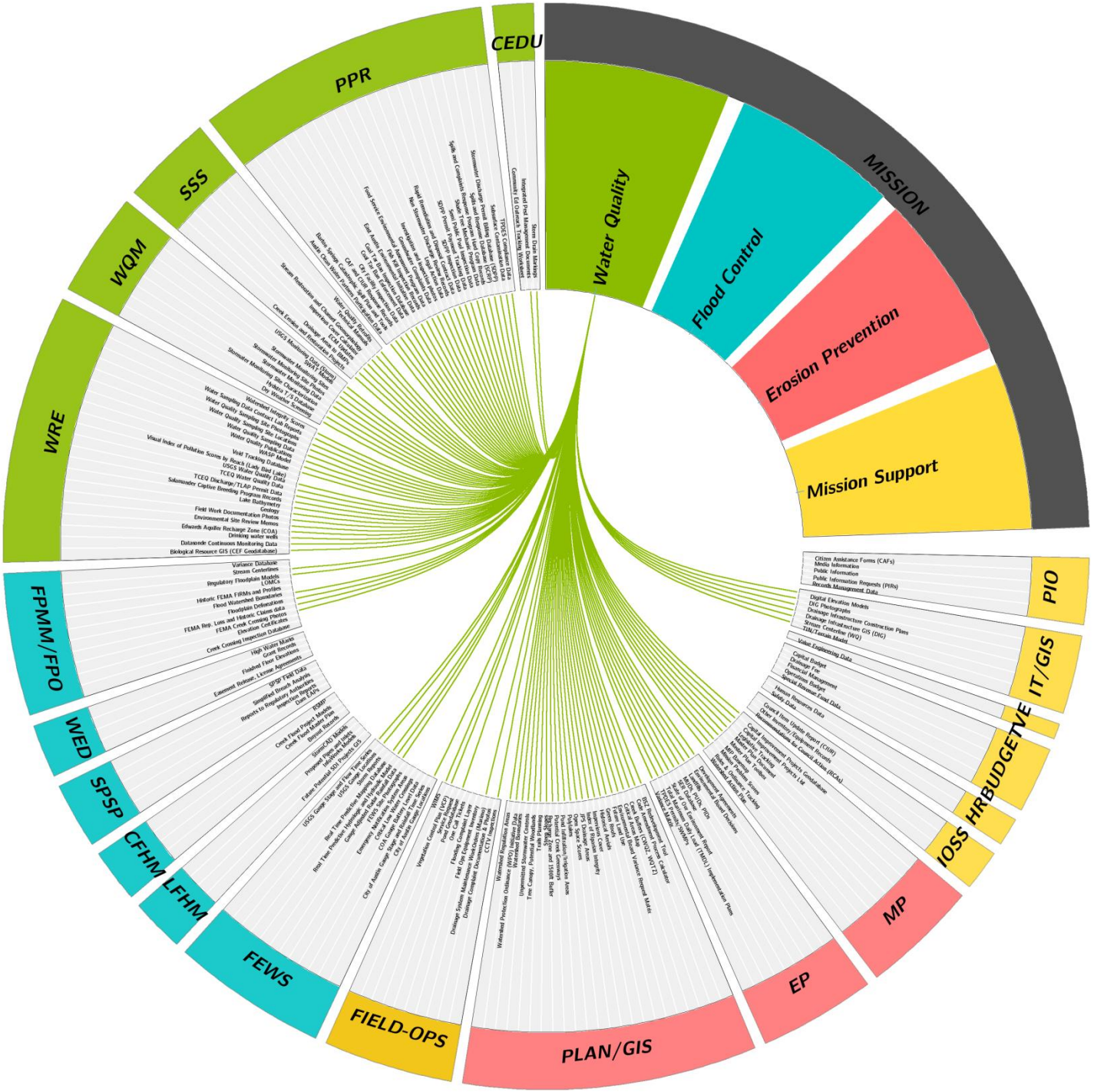
IOSS
HRBUDGET
EVE
IT/GIS
PIO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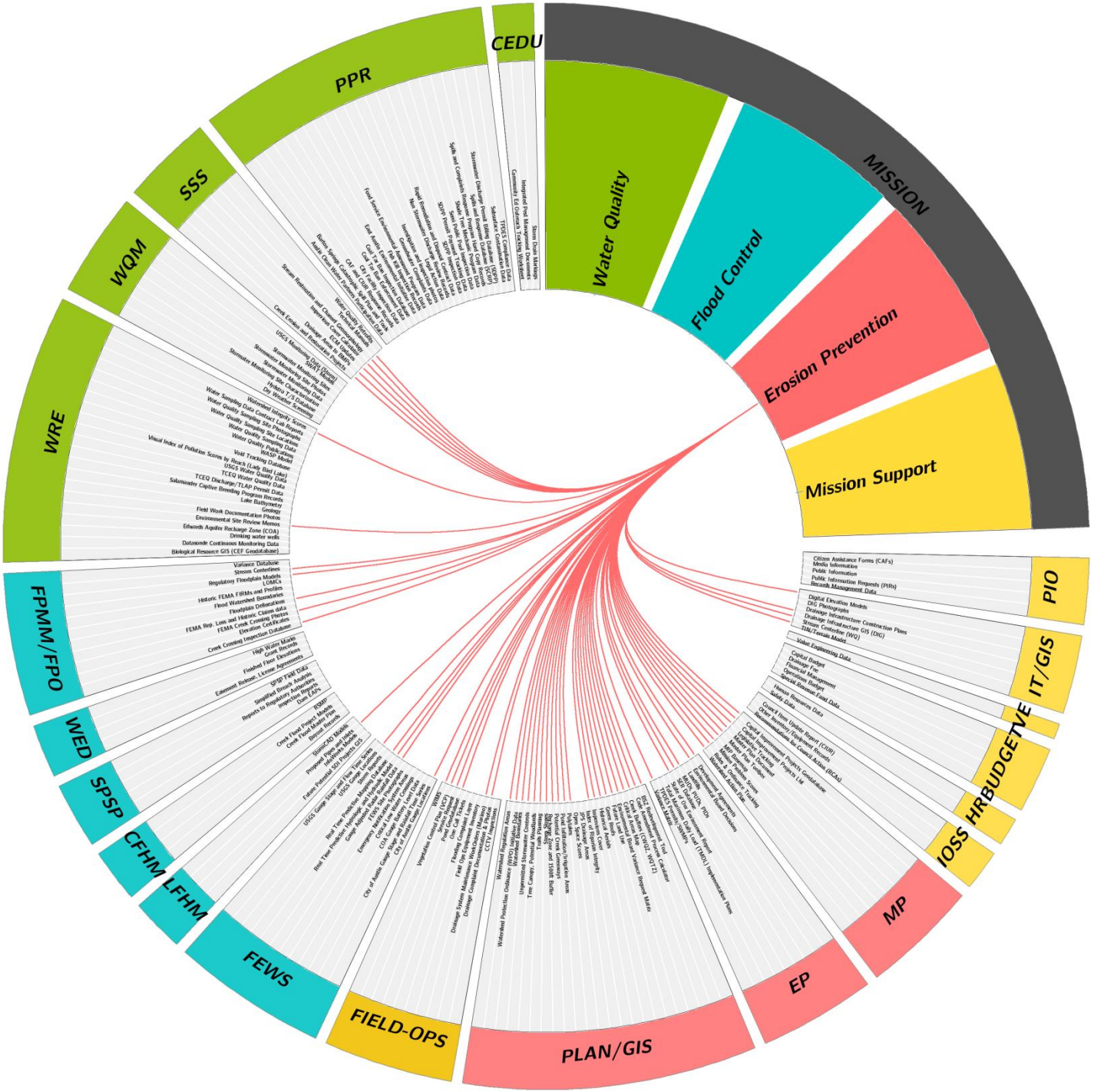
IOSS
HRBUDGETVE
IT/GIS
PIO
Integrated Pest Management Documents
Comment Ed Outreach Tracking Worksheet
Texas Data Inventory
TPDES Compliance Data
Substation Contaminant Data
Stormwater Discharge Permit Billing Database (SCRP)
Spills and Response Team Call Out Database
Stormwater Discharge Permit Billing Database
Spill and Response Team Mutual Aid Data
Spill and Complaints Response Team Mutual Aid Data
Stormwater Post Monitoring Inspection Data
Spill Public Input Tracking Data
SDPP Permit Tracking Data
SDPP Permit Compliance Data
SDPP Permit Action Records
Non-Stormwater Discharge Investigation Data
Fecal Investigation and Dispositions Data
Investigation and Dispositions Data
Fecal Investigation and Dispositions Data
Fish Advisory Environmental Assessment Data
Fish Advisory Environmental Assessment Data
Fish Advisory Environmental Assessment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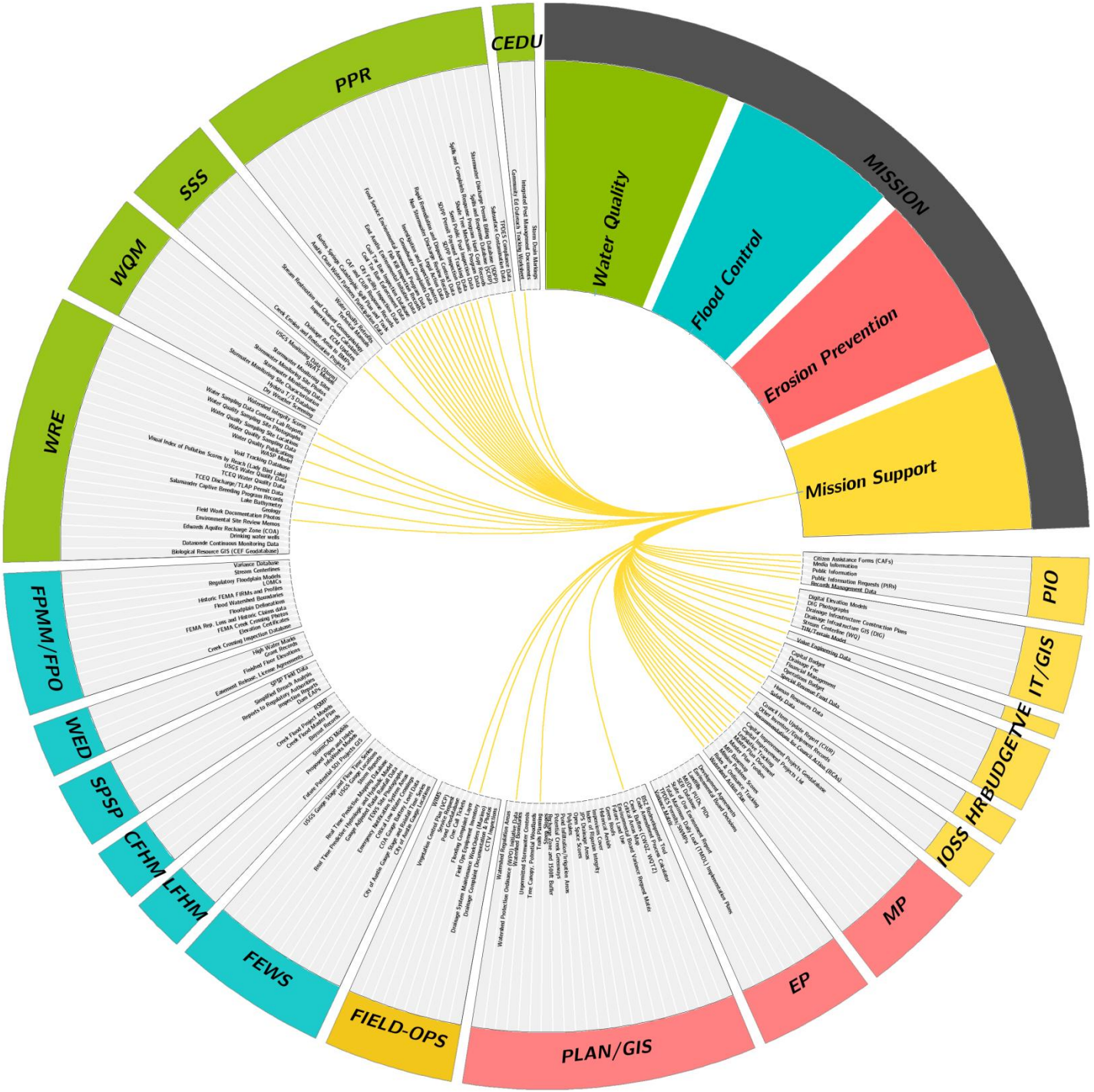
WED
SPSP
CFHM
LFHM
FEWS
FIELD-OPS
PLAN/GIS
EP
MP
IOSS
HRBUDGET
EVE
IT/GIS
PIO
Stormwater Discharge Permit Billing Database (SDPD)
Spills and Response Load Copy Data
Spills and Complaints Response Data
Food Service Establishment Inspection Data
Septic Tank Transfer Data
Non-Stormwater Discharge Spill Response Data
Investigation and Enforcement Data
Creek Cleanup Data
Illicit Discharge Data
Water Quality Monitoring Data
Stream Restoration and Channel Improvement Projects
Dry Weather Screening
Water Quality Sampling Site Photographs
Water Quality Sampling Site Locations
Water Quality Sampling Data
Water Quality Indicators
WASP Model
Void Tracking Database
USGS Water Quality Data
TCEQ Water Quality Data
TCEQ Discharge/TLAP Permit Data
Submaster Captive Breeding Program Records
Lake Bathymetry
Geology
Field Work Documentation Photos
Environmental Site Review Memos
Edwards Aquifer Recharge Zone (COA)
Drinking water wells
Datasonde Continuous Monitoring Data
Biological Resource GIS (CEF GeoDatabase)
Variance Database
Stream Centerlines
Regulatory Floodplain Models
LOMCs
Historic FEMA FIRMs and Profiles
Flood Watershed Boundaries
Floodplain Delineations
FEMA Rep. Loss and Historic Claim data
FEMA Creek Cross Sections Photos
Elevation Certificates
Creek Crossing Inspection Database
High Water Marks
Creek Records
Finished Floor Elevations
Easement Release / License Agreements
SPSP FPMM DGIs
Simplified Stream Buffers
Reports to Regulatory Authorities
Inspection Reports
Dam EAPs
RSMP
Creek Flood Project Maps
Creek Flood Master Plan
Bennet Records
StormCAD Models
Proposed Pipes and Inlets
Detention Ponds
Failure Potential SDI Project GIS
Flow Conditions
Real Time Predictive Modeling Hardware
Real Time Predictive Hydrologic and Hydraulic Models
FEWS Site Rainfall Data
COA Gauge Rainfall Data
COA Gauge Water Level Data
Emergency Management Hydrologic Models
Gage Adjusted Radar Rainfall Data
City of Austin Gauge Rainfall Data
City of Austin Gauge Water Level Data
CCTV Inspection Database
Vegetative Control Program (VCP)
Pond Inventory Database
Dam Safety Database
Flooding Complaint Layer
Flood Warning System Maintenance Manuals
Drainage System Maintenance Work Orders (Maximo)
Drainage Complaint Documentation Database
Watershed Protection Ordinance (WPO) Impervious Cover
Watershed Protection Ordinance (WPO) Waivers
Unamended Watershed Boundaries
Unamended Subwatershed Boundaries
Tree Canopy, Potential Woodlands
Trails Planning
Trail Alignments
Topography
Soil Survey
Slope Analysis
Sensitive Features
Roadway Corridors
Parks
Open Space
Land Use
Impervious Cover
Hydrologic Soil Groups
Geological Atlas
Floodplains
Flood Infrastructure Inventory Data
Flood Infrastructure Inventory Areas
Flood Hazard Areas
Erosion Hazard Zones
Edwards Aquifer
Drainage Areas
Drainage Area Boundaries
Digital Elevation Models
Creek Buffers
Contours
Cadastral
Buffers
Boundaries
Bicycle Facilities
Austin Community College Campuses
Watershed Atlas
Watershed Action Plans
Water Quality Protection Lands
Water Quality Management Plans
Water Quality Impairments
Water Quality Buffers
Water Quality Basin Boundaries
Water Quality Basin Action Plans
Water Quality Assessments
Water Quality Action Plans
Water Quality Action Plan Projects
Water Quality Action Plan Data
Water Quality Action Plan Boundaries
Water Quality Action Plan Activities
Water Quality Action Plan Activity Areas
Water Quality Action Plan Activity Boundaries
Water Quality Action Plan Activity Data
Water Quality Action Plan Activity Projects
Water Quality Action Plan Activity Reports
Water Quality Action Plan Activity Studies
Water Quality Action Plan Activity Surveys
Water Quality Action Plan Activity Tasks
Water Quality Action Plan Activity Teams
Water Quality Action Plan Activity Timelines
Water Quality Action Plan Activity Budgets
Water Quality Action Plan Activity Contracts
Water Quality Action Plan Activity Permits
Water Quality Action Plan Activity Licenses
Water Quality Action Plan Activity Agreements
Water Quality Action Plan Activity Memos
Water Quality Action Plan Activity Letters
Water Quality Action Plan Activity Emails
Water Quality Action Plan Activity Phone Calls
Water Quality Action Plan Activity Meetings
Water Quality Action Plan Activity Presentations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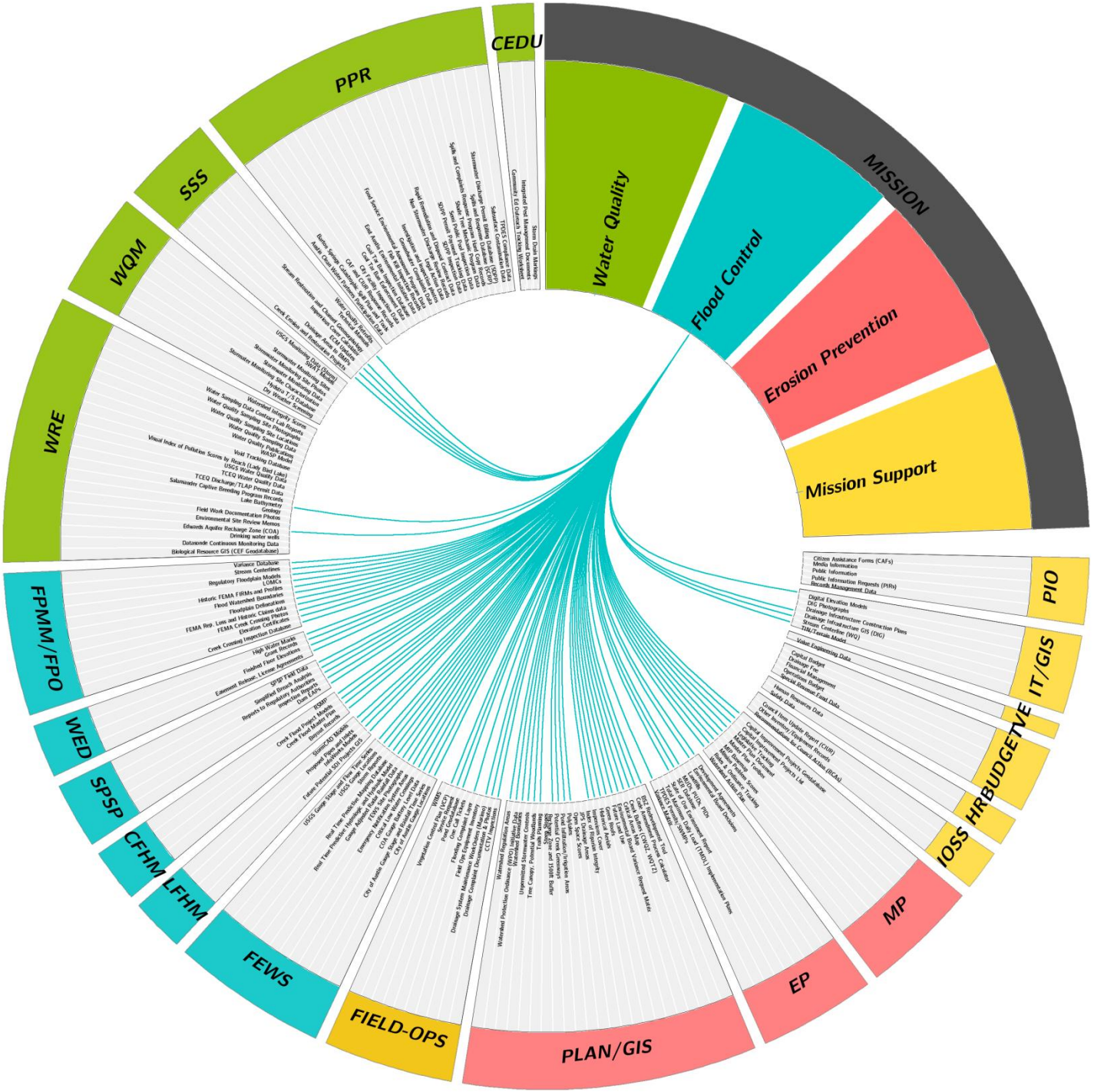
PIO
Citizen Assistance Forms (CAFs)
Media Information
Public Information
Public Information Requests (PIRs)
Records Management Data
Digital Elevation Models
DIG Photographs
Drainage Infrastructure Construction Plans
Drainage Infrastructure GIS (DIG)
Stormcon Centerline (WQ)
TIN/Tramsin Models
Value Engineering Data
Capital Budget
Operating Budget
Special Revenue Fund Data
Human Resource Data
Safety Data
Guard Hour Update Report (CHUR)
Other Administrative Reports
Capital Improvement Projects Geodatabase
Capital Improvement Projects List
Recommended Capital Action (RCAs)
Developmental Agreement
Environmental Assessment Report
Erosion Hazards Zones (EHZs)
SCM Operations and Maintenance Plans
Stormwater Quality Credit Trading
Stormwater Quality Credit Trading Program
Stormwater Quality Credit Trading Program Guidance Manual
Stormwater Quality Credit Trading Program Guidance Manual (SWQCTPGM)
Stormwater Quality Credit Trading Program Guidance Manual (SWQCTPGM) Implementation Plans
Stormwater Quality Credit Trading Program Guidance Manual (SWQCTPGM) Implementation Plans Update
Stormwater Quality Credit Trading Program Guidance Manual (SWQCTPGM) Implementation Plans Update Action Items
Stormwater Quality Credit Trading Program Guidance Manual (SWQCTPGM) Implementation Plans Update Action Items Tracking
Stormwater Quality Credit Trading Program Guidance Manual (SWQCTPGM) Implementation Plans Update Action Items Tracking Tool
Stormwater Quality Credit Trading Program Guidance Manual (SWQCTPGM) Implementation Plans Update Action Items Tracking Tool (SWQCTPGM-IPUAITT)
Stormwater Quality Credit Trading Program Guidance Manual (SWQCTPGM) Implementation Plans Update Action Items Tracking Tool (SWQCTPGM-IPUAITT)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IT/GIS
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Stormwater Control Plan (SCP)
Pond Inspection Records
Dam Safety Database
Flooding Complaint Letters
Flood Mitigation Alternatives Analysis
Drainage System Maintenance Inventory
Drainage Complaint Documentation Database
CCTV Inspection Database
Watershed Regulation Areas
Watershed Protection Ordinance (WPO) Inventory
Watershed Boundaries
Unpermitted Development Inventory
Tree Canopy, Potential Woodlands
Trails Planning
Tax Parcels
Soils
Slope
Sensitive Features
Roads
Right-of-Way
Regional Detention Ponds
Property Lines
Parks
Open Space
Natural Areas
Land Use
Impervious Cover
Hydrologic Soil Groups
Hydrologic Response Units
Hydrologic Basins
Geology
Floodplains
Flood Infrastructure Inventory
Flood Hazard Areas
Floodplain Boundaries
Fault Lines
Erosion Hazard Zones
Drainage Areas
Digital Elevation Models
Creek Buffers
Creek Alignments
Contours
Cadastral Parcels
Buffer Zones
Bridges
Boundaries
Base Flood Elevations
Annexation Areas
Water Quality Data
Water Quality Sampling Site Photographs
Water Quality Sampling Site Coordinates
Water Quality Sampling Data
Water Quality Parameters
Water Quality Indicators
Visual Index of Pollution Scores by Reach (Lady Bird Lake)
Void Tracking Database
WASP Model
USGS Water Quality Data
TCEQ Water Quality Data
TCEQ Discharge/TLAP Permit Data
Submariner Captive Breeding Program Records
Submariner Monitoring Data
Submariner Monitoring Site Photographs
Submariner Monitoring Site Locations
Stormwater Monitoring Data
Stormwater Monitoring Site Photographs
Stormwater Monitoring Site Locations
Stormwater Monitoring Data
Stream Restoration and Channel Stabilization Inventory
Spring Inventory
Septic Tank Inventory
Salamander Habitat Inventory
Recharge Zone Boundary
Pollutant Loading Estimates
Pet Waste Stations
Nutrient Loading Estimates
Nutrient TMDL Database
Lake Bathymetry
Impervious Cover Estimates
Groundwater Monitoring Data
Groundwater Monitoring Site Photographs
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Drainage Area to Outfalls
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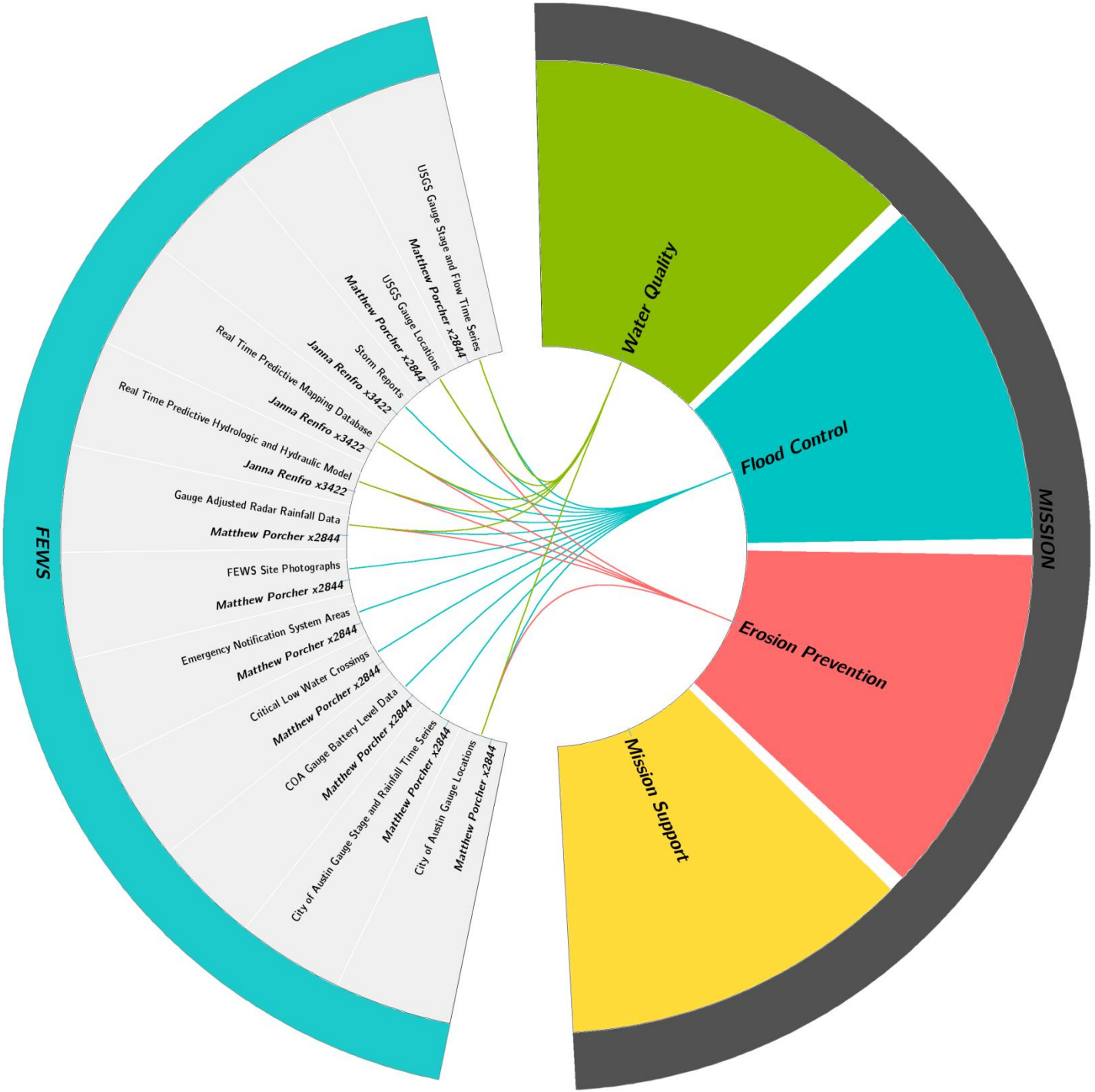
Creek Erosion Sediment Reduction Projects
Biological Resource GIS (CEF GeoDatabase)
Before Salvage Documentation Photos
Aquifer Protection Projects
Aquifer Protection Projects (Historical)
Aquifer Protection Projects (Active)
Aquifer Protection Projects (Active)
Aquifer Protection Projects (Active


FEWS
USGS Gauge Stage and Flow Time Series
Matthew Porcher x2844
USGS Gauge Locations
Matthew Porcher x2844
Storm Reports
Janna Renfro x3422
Real Time Predictive Mapping Database
Janna Renfro x3422
Real Time Predictive Hydrologic and Hydraulic Model
Janna Renfro x3422
Gauge Adjusted Radar Rainfall Data
Matthew Porcher x2844
FEWS Site Photographs
Matthew Porcher x2844
Emergency Notification System Areas
Matthew Porcher x2844
Critical Low Water Crossings
Matthew Porcher x2844
COA Gauge Battery Level Data
Matthew Porcher x2844
City of Austin Gauge Stage and Rainfall Time Series
Matthew Porcher x2844
City of Austin Gauge Locations
Matthew Porcher x2844
Water Quality
Flood Control
Erosion Prevention
Mission Support
MISSION

Because of the Limitations of connectivity (examples I showed last night were using COA Internal networks) this is a broken example of the data orb hosted on a non-coa (personal, broken, theoretical) website:

http://geofactual.com/wpddataorb/data_orb_v3.html