

FGDC Automated Business Process Tools – Demo

Coordination Group
September 13, 2016



Ken Shaffer

FGDC

Deputy Executive Director

Purpose

Automate FGDC OS business processes for information and task management to:

- Improve support to FGDC members
 - Automating basic business processes such as votes
 - Enabling member management of their contact information
 - Increasing visibility and understanding of committee/agency membership/roles
 - Providing a tools to track committee or work group work items and actions
- Reduce FGDC OS management time
- Improve member engagement
- Leverage GeoPlatform development
- Provide work group/subcommittee support tools
 - Potentially adaptable to GeoPlatform communities
- Test case for development and integration of tools with the GeoPlatform

Approach

Integrate a Business Process Engine into GeoPlatform

- Selected 3 processes: member management, votes, task tracking
- Leveraged GeoPlatform's identify and access management
- Developed modular components – other organizations can reuse
- Used a “card” based GUI approach with extensive help/tips
- Ensured APIs can be used for data extract and reuse: e.g. email listservs, task timelines views
- Cleaned and ported the FGDC OS membership management database
- While FGDC business rules are enforced the processes are flexible
- Not a partner funded toolset but resulted in a set of GeoPlatform hosted tools

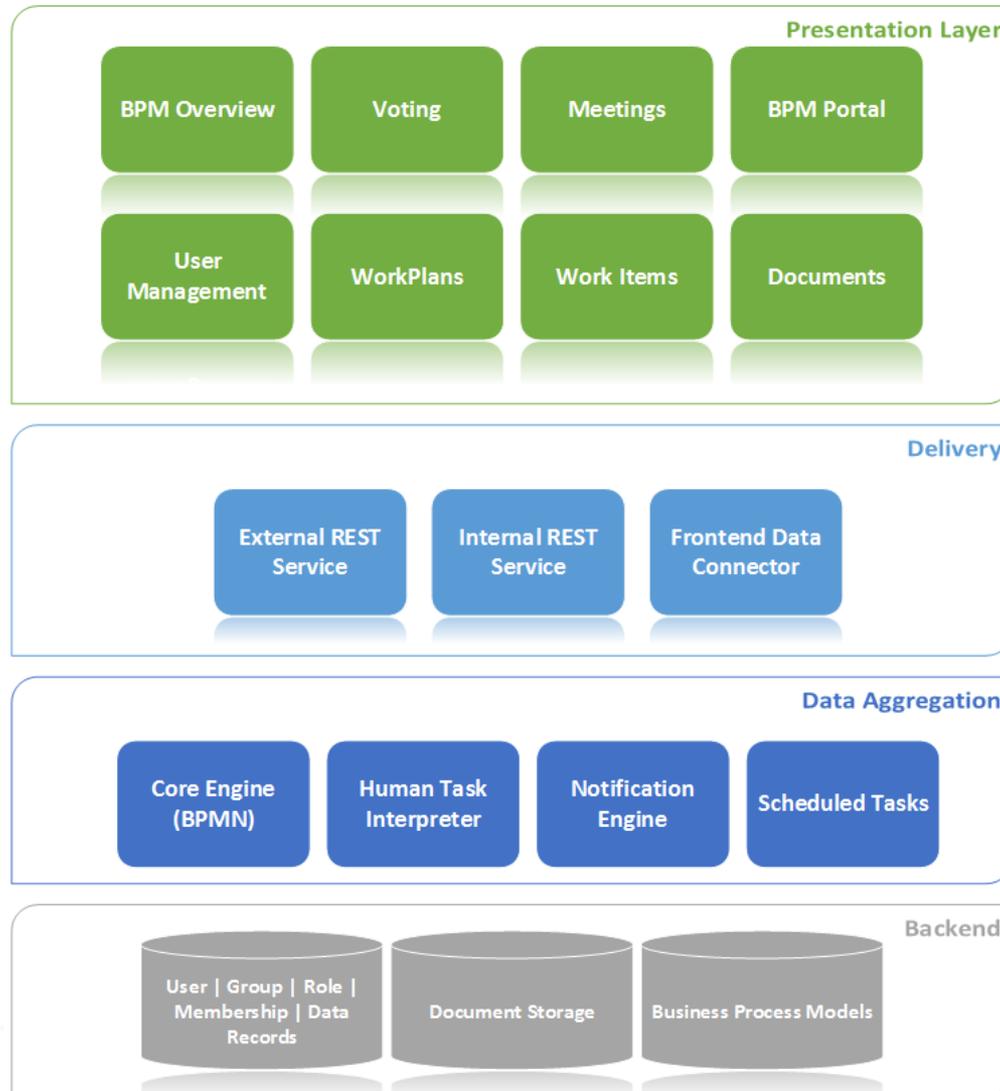
First Class Business Objects

General Construct:

- Groups
- Organizations
- Organization Reps
- Work plans
- Work items
- Votes
- Documents



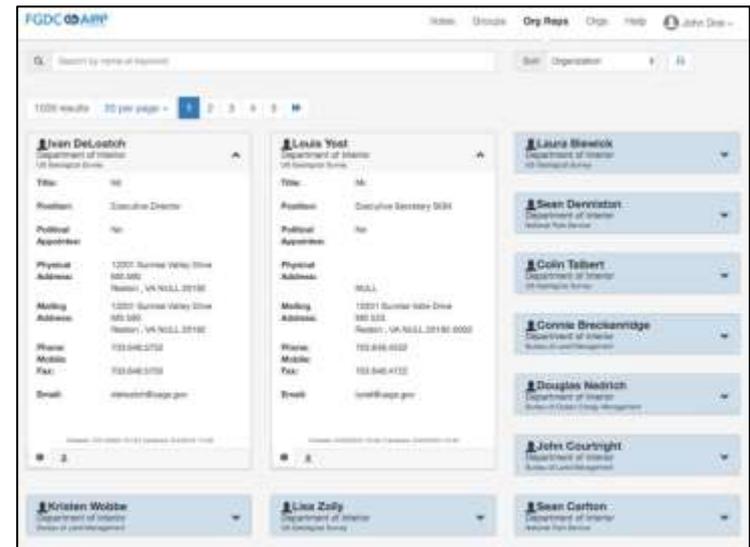
Tiered Architecture



FGDC Automated Process Portal -

Automated Process Portal

- ❖ In September/October:
 - ❖ Internal testing 3 modules
 - ❖ Data clean-up
 - ❖ Basic document management
 - ❖ Final development/help
 - ❖ Initial demo to CG (9/13)
 - ❖ FGDC OS developing role-out plan to include training



Example of card-based interface

Take Aways

- ❖ GeoPlatform will have a business process management engine (currently limited to the FGDC APP)
- ❖ Capabilities developed by the FGDC OS are modular and can be reused if others want to fund their lift, shift, and management
- ❖ FGDC OS will begin using more automated tools to support the committees
- ❖ FGDC members will be able to login and see their membership info, agency's members, work items for groups of which they are a part, be notified of and execute actions and votes – in early CY 2017
- ❖ Subcommittees and working groups will be able to utilize the tools to help manage their membership and activities

Note: Only business information is utilized by these tools.

Demo

Some of the GeoPlatform technical development team are joining us online

