OpenWIS v4

Development approach based on overlays



GitHub developer's workflow

Find the project you want to contribute to

Fork it in your private repo

Make changes, push changes to private repo, Pull-Request

When PR is accepted, delete your local fork/branch

Develop a new feature

GitHub developer's workflow

Works well for "small" features

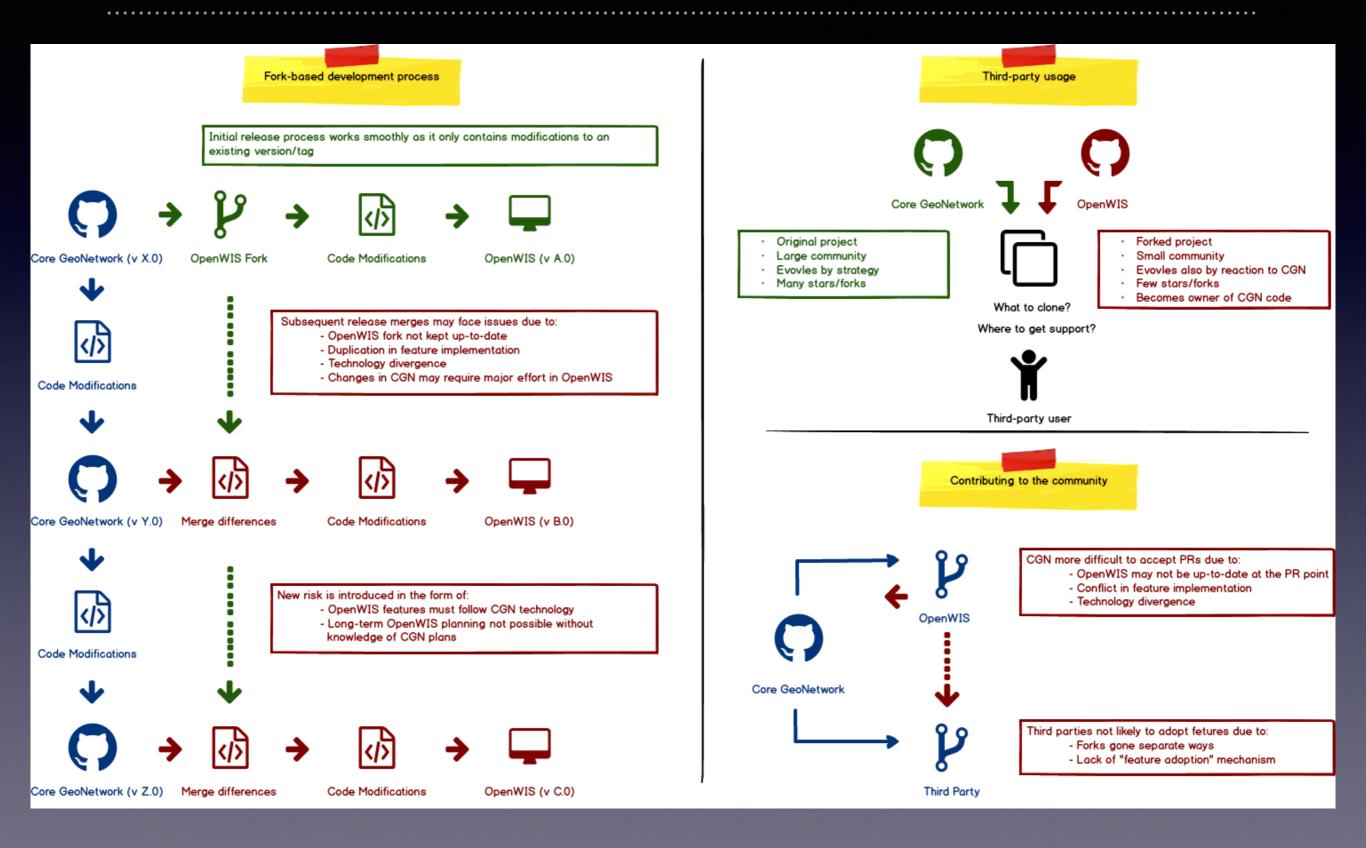
Assumes a good PR-acceptance turnaround time

Assumes upstream project is interested for all types of contributions

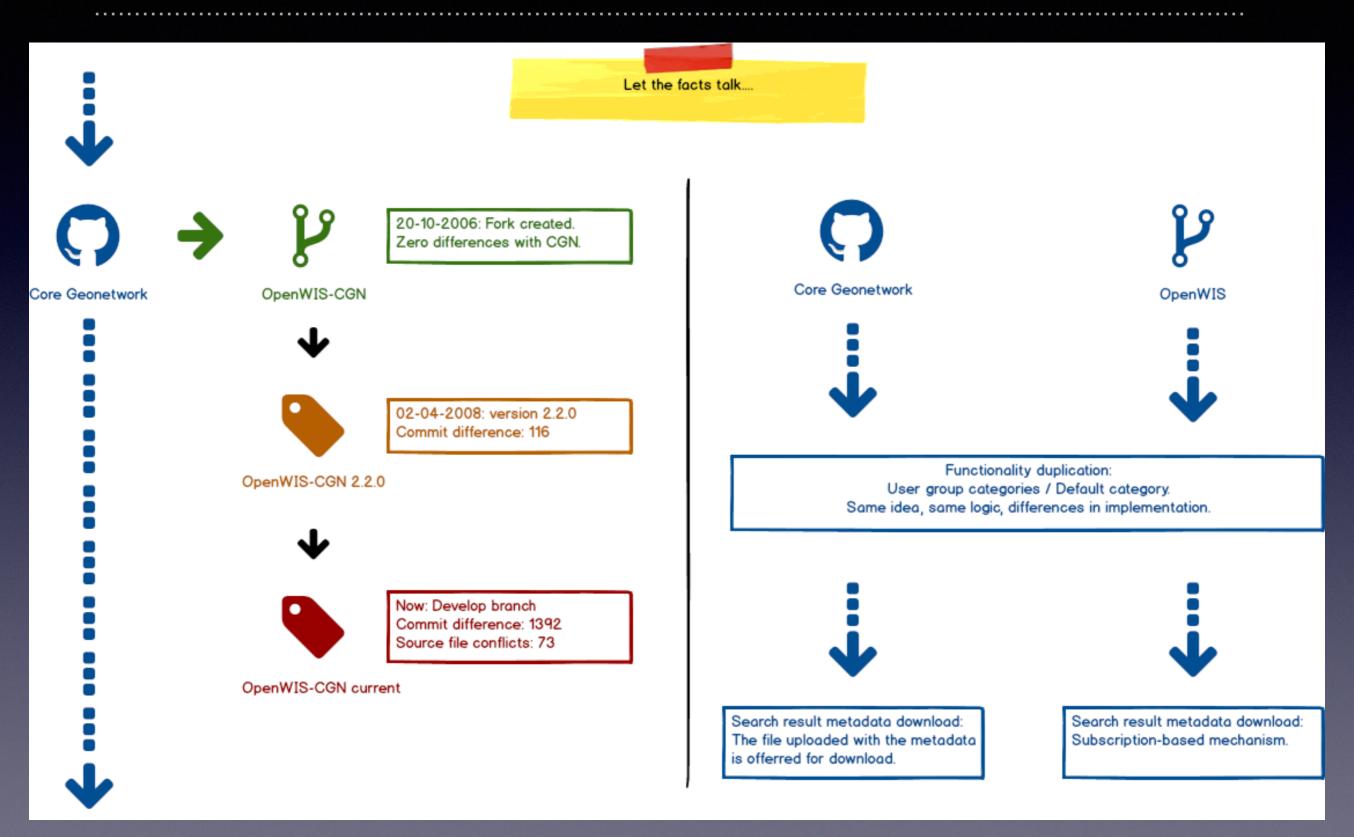
"Bound" to the technical choices of the upstream project

Difficult for derivate, independent work

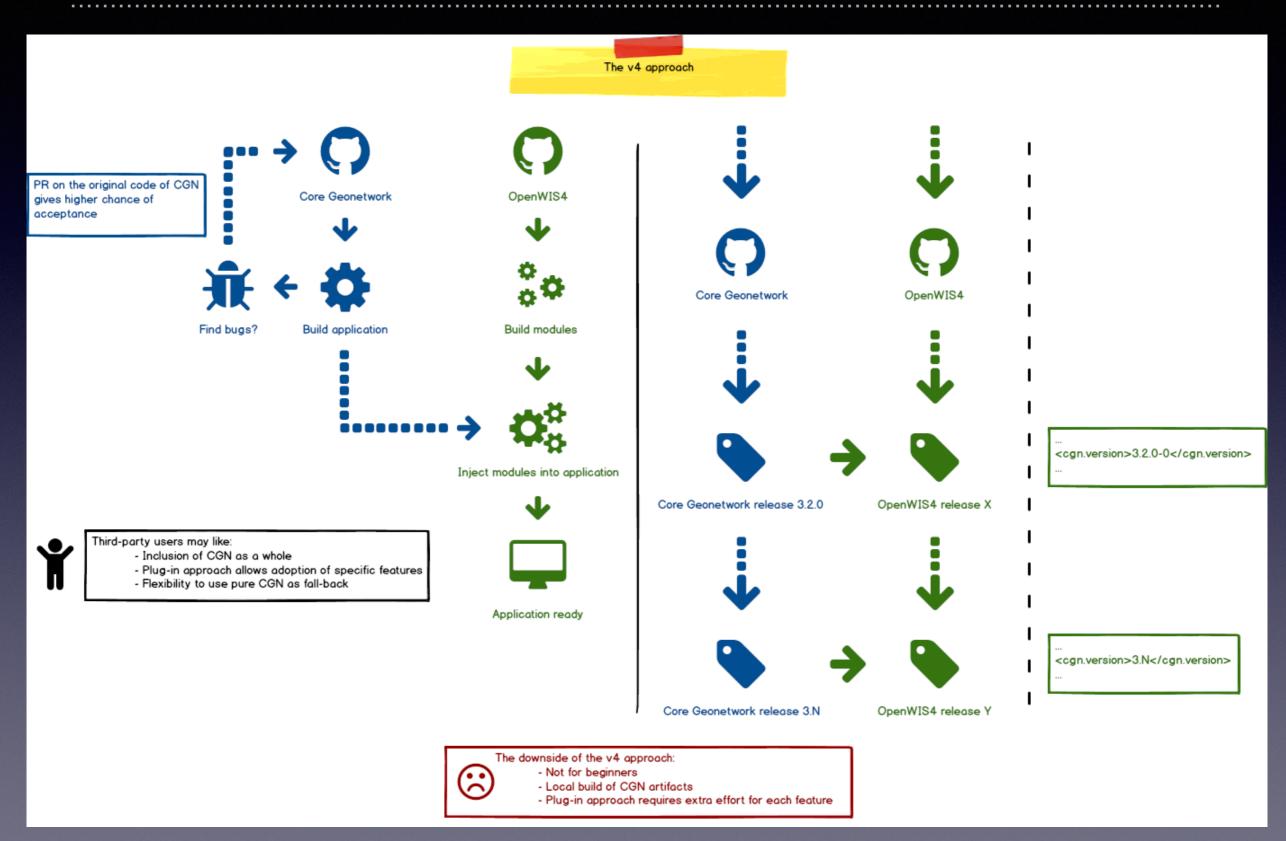
Fork-based approach



Fork-based problems in practice



An overlay-based approach



So, does it work?

Initial integration was with CGN 3.2.0 At 10-Feb 2017, CGN 3.2.1 was released

Q Search @ Map + Contribute	← III Admin console	 admin adm 	in (Administrator) 🕞 Sign out	English •
	o°; Settings I Logo Sources CSW N	Virtual CSW CSW test Q Map servers		
	Settings	Production Save settings		
	System settings			
	Catalog description			
	Catalog name	My GeoNetwork catalogue		
		The name displayed in different places (eg. news feed).		Catalog description
				Catalog
	Catalogue identifier	a7eb06c0-b482-423d-b500-a34faaa729aa		Catalog server Intranet
		Unique catalogue identifier. After changing the site identifier, user should update the index and the logo from the		Proxy server
		administration panel.		system/cors
				Feedback Metadata Search Results
	Organization	My organization		Catalog Service for the Web
				(CSW)
	SVN UUID	60c08e9d-a9f4-47bc-b521-3846cc38b695		User self-registration User feedback
		Subversion repository unique identifier		Link in metadata records
		Subversion repository unique identifier		Metadata rating
	Catalag			Download service Metadata XLink
	Catalog			Metadata / ISO19139 / Nil
				reason attribute with held Metadata update
	Version	3.2.1		Search statistics
		Version:		Index optimization
				Open Archive Initiative (OAI- PMH) Provider
	Minor version	0		INSPIRE Directive configuration
				Harvesters
		Sub-version:		Harvester
				Metadata create
	Catalog server			Metadata configuration Metadata privileges
				Indexing
	Host	localhost		Language detection
		The second head and and and an model HDL at the Cookietural areas Free second when are used during		Search & language

So, does it work?

Maven changes

<openwis.cgn.version>3.2.0-0</openwis.cgn.version>

=>

=>

<openwis.cgn.version>3.2.1-0</openwis.cgn.version>

Additional changes

selectNoXLinkResolver(String, boolean)

selectNoXLinkResolver(String, boolean, boolean)

Having OpenWIS based on CGN 3.2.1 actually took us...

...20 mins!