

User Group GeoMapFish

March 18, 2019

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Agenda

- 2.4
 - Status
 - Demo
- 2.5
 - Features
 - Offer, questions
 - Planning overview
- GMF Lifecycle (update)
- Vector tiles
- MapFish Print SaaS



2.4 Status

- 2.4.0rc1 on March 1st
- Integration phase started (SITN, Cartoriviera)
 - Migrated
 - Intense activity
- Expected release date (2.4.0): April 15



2.4 Demo

Previously Shown

- 2.4.1 Simplified interface for IFRAME integration
- 2.4.2 Column reorder (editing)
- 2.4.7 Delete vertex menu
- 2.4.8 Drawing zoom on recenter
- 2.4.9 Read-only mobile drawing
- 2.4.10 Tree panel resize
- 2.4.11 Layer tree radio buttons
- 2.4.12 Auto-link in results
- 2.4.13 App loading widget
- 2.4.14 First level panel title



2.4 Demo

New From Last Meeting

- 2.4.1 Javascript API
- 2.4.4 Readonly attributes
- 2.4.15 A0 printing
- External funding (Aéroports de Lyon)
 - Mobile surface measurement tool
 - Multiple selection for query
 - Multiple roles for one user with rights merge



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2.5 Features Overview

- Many requests
- Some complex features
 - Offline: key feature!
 - BLOB in edit, Intranet user
- Extensive security analysis (from Basel-Stadt report)
 - Priorities can be set based on report and Camptocamp's expertise
- Separated in New features/Improvements/Non-functional
 - New features/Improvements ratio $\frac{2}{3}$ - $\frac{1}{3}$



2.5 Features

New Features

2.5.9	Offline (simple)	15'855
2.5.9	Offline (options)	53'235
2.5.3	Map swiper	7'470
2.5.7	CSV export in result window	6'885
2.5.16	Polygon query	6'570
2.5.4	Improve redlining tools	10'905
2.5.17	Blob in edit	26'010
2.5.1	QR Code in print	8'955
2.5.15	Feedback window	9'270
2.5.22	Story maps	4'785



2.5 Features Improvements and Adjustments

2.5.6	Snapping layers	7'470
2.5.11	Mandatory dropdown in edit	4'335
2.5.2	Improve WMS browser	6'420
2.5.5	Close legend automatically	4'335
2.5.12	Timeslider improvement	2'085
2.5.19	Long names in window	1'410
2.5.10	Intranet user panel	17'040
2.5.13	Admin interface	6'270
2.5.14	Small improvements	18'780
2.5.18	Loading notifications	2'850
2.5.26	Styles and KML	2'085



2.5 Features Security

No cached credentials	3'300
Configurable account lockout	6'570
Configurable password policy	12'270
Secure password storage	14'640
Session timeouts	32'895
Logout after password change	11'370
Remove unsafe-inline	6'570
Subresource integrity	6'570



2.5 Features Documentation

vars.yaml file	8'206
Components	13'200



2.5 Features

Structural Changes

- Goal
 - State of the art technology
 - Reduce testing and maintenance costs
 - Simplification
- Actions
 - Full docker
 - Old JavaScript API removal
 - Internet Explorer 11 support discontinued
 - But remember: 2.4 is an LTR version!



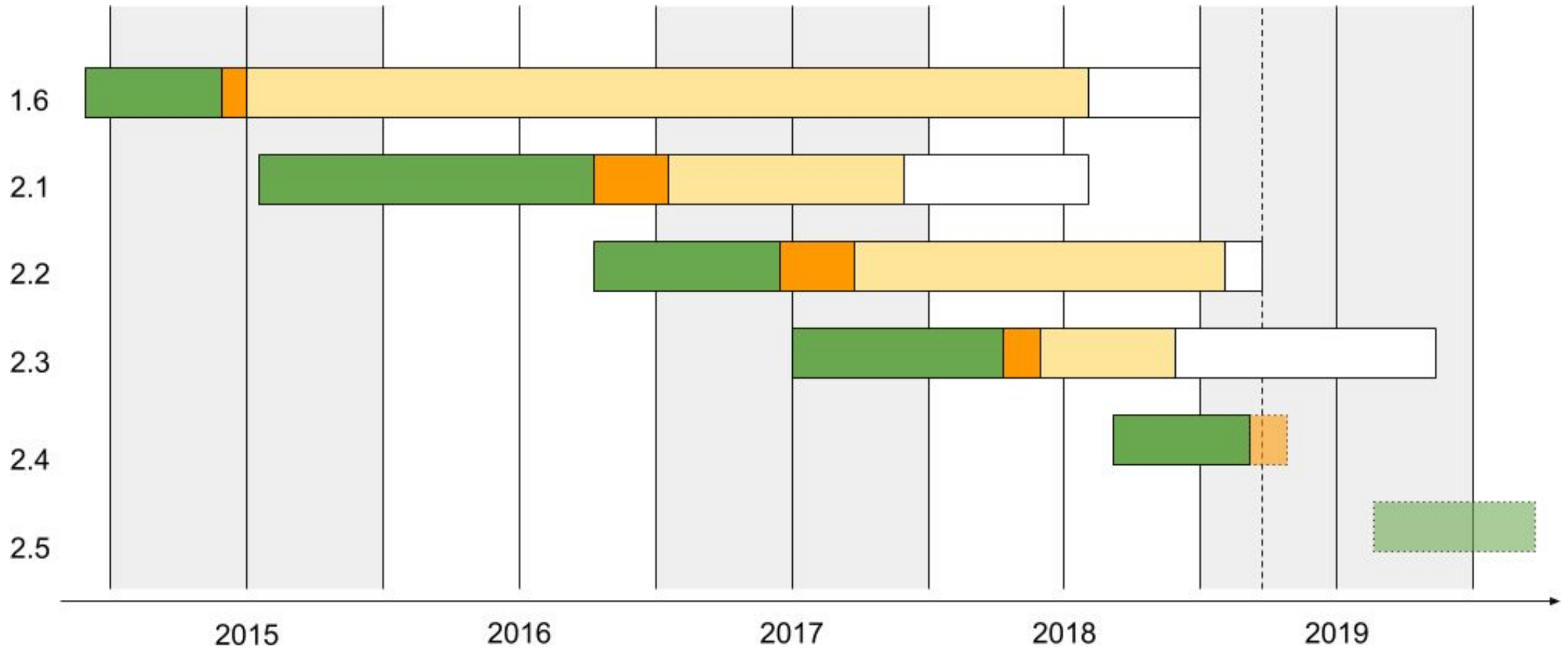
2.5 Features

Problem Reporting

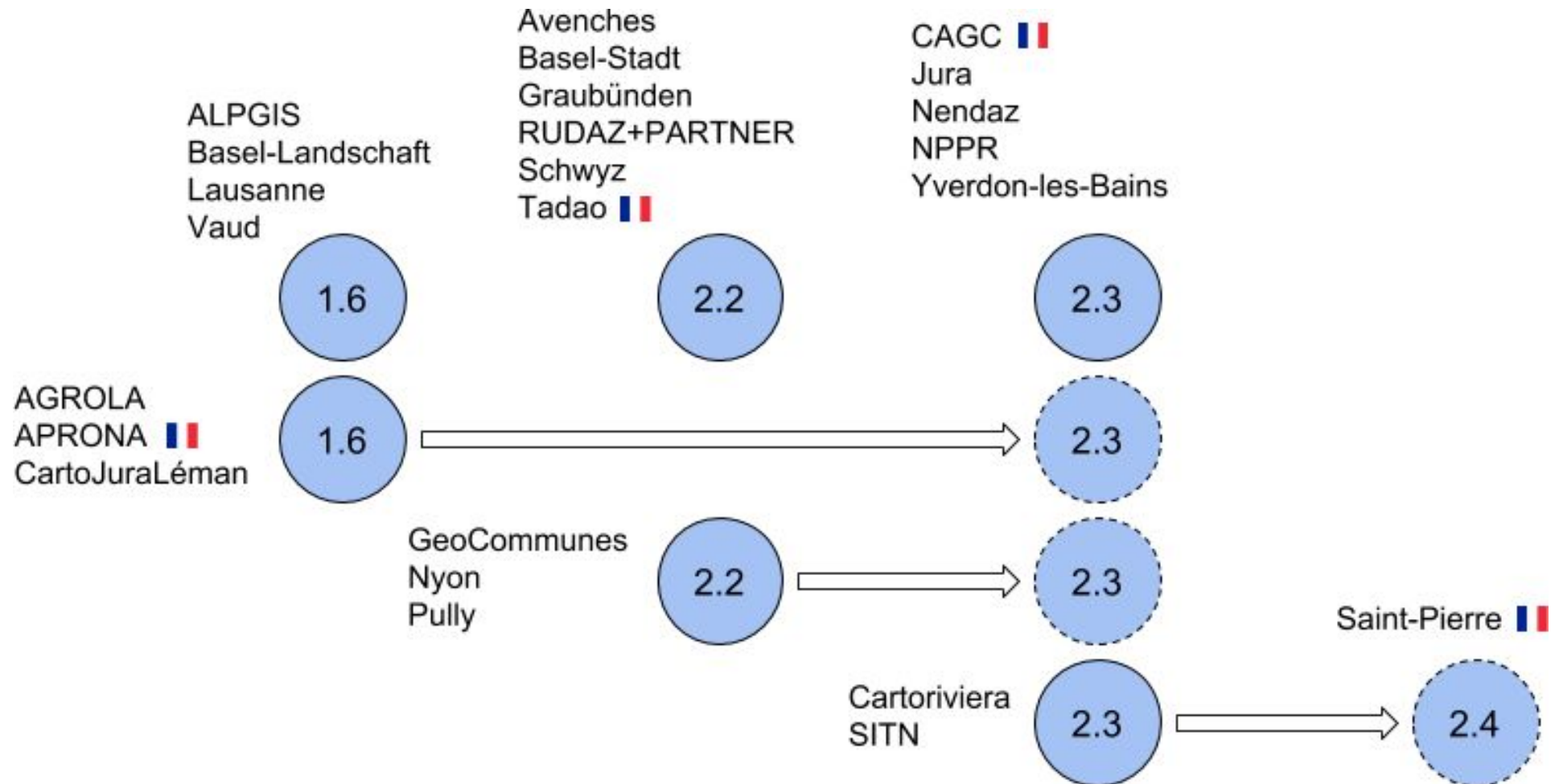
- Goal: allow citizens to report problems, manage reports
- Features
 - Mobile friendly
 - Public form, categories, public list of reports
 - Admin list, different states, automatic mails, comments
 - Not yet funded: statistics
- Technical aspects
 - Generic development using Geoform
 - Two modes: integrated into GeoMapFish or not
- Project
 - Starts now
 - Delivery around June/July



2.5 Planning



2.5 Planning



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GMF Lifecycle

- 2.2: 70 days funded on a total of 145
- 2.3: 119 days funded on a total of 413
 - Many infrastructure changes → GMF up-to-date
 - Very long integration phase, 2.3.0 was not a x.0 release
- 2.4
 - Better organized integration phase → shorter
 - Goal: stay within 15% warranty budget (12 days)
 - Prioritize issues with PSC
- Future
 - Capitalize on major changes made in 2.3



Vector Tiles

- Use cases and advantages
 - Tile generation performance → “real time”
 - Client styling, custom maps, client filters
 - Good for offline (less data)
 - Usability: continuous zoom, ...
 - Current status
 - Mercator only, no solution for printing yet
 - High progress at Swisstopo
- OpenLayers, performance
- Full-vector including background
- <https://test.map.geo.admin.ch/>
- <https://vectortiles.geo.admin.ch/>



MapFish Print SaaS

- Demo during last meeting
- Advantages
 - Concentrate on application, don't worry about print environment, upgrades, ...
 - Minimize server costs in the long term
 - Usage monitoring interface
 - Performance
 - High availability

A4 Units per Month	Monthly Rate CHF
400	100
800	150
2'000	300
4'000	500



to camp 

camp **to** camp

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