NEW DATA DELIVERY TECHNOLOGIES

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WFS 3.0

- Strategic goals
  - Deliver developer friendly, modern APIs -> more use of NLS data
  - Remove performance and scalability issues
- OGC standardization in progress
  - Participating in standard development with own resources
  - Core standard easy to implement
  - CRS extension necessary
- Modular, customizable Java implementation
  - Pilots Geographical names (complex), Buildings, Addresses
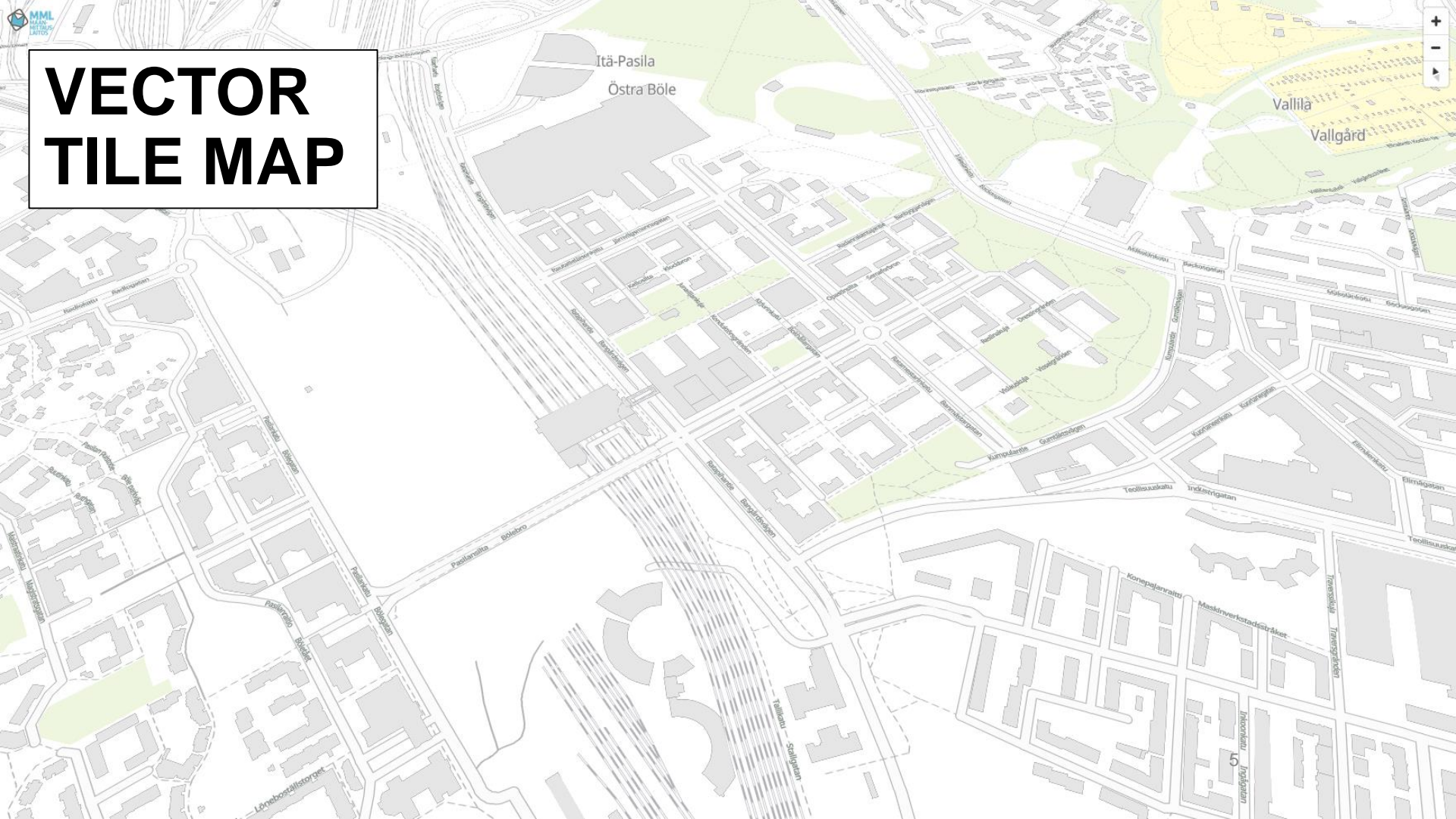 - INSPIRE implementations coming up

WFS 3.0 BUILDINGS

id: 32850
building.id: 32349
building.kmtkId: 618e3ad2-3ceb-4818-a370-3e795d20b5d6
building.version: 1
building.sourceId: 14163
building.PNRplaceId: null
building.startTime: 2018-10-22T07:55:00.796Z
building.versionStartTime: 2018-10-22T07:55:00.796Z
building.versionEndTime: null
building.endTime: null
building.collectionDate: null
building.verificationDate: null
building.updateType: null
VTJprt: 1013681400
geometryDataSource: 837
collectionMethod: -99
lifespanStatus: 3
constructionDate: 1999-12-30T22:00:00Z
modificationDate: null
demolitionDate: null
function: D
functionExact: 151
functionSpecifier: null
area: null
floorArea: 11085
volume: null
height: null
floorsAboveGround: 6
floorsBelowGround: null
relationToGround: null
verticalOrder: null
isFlightObstacle: null
hasElevator: true
isConnectedToGas: null
isConnectedToElectricity: null
isConnectedToWater: null
isConnectedToSewage: null
heatingType: 1
heatingFuel: 1
horizontalAccuracy: null
verticalAccuracy: null
featureClass: BuildingPart

VECTOR TILES

- Strategic goals
  - Minimize effort to produce various map products
  - Maximize customer flexibility to create custom map styles
  - Deliver developer friendly APIs
- Vector tiles currently in OGC piloting phase
  - Standardization efforts likely to continue during 2019
  - Current approach fits well in NLS infrastructure – is similar to WMTS implementation and could share same background services with upcoming WFS 3.0 APIs
- Page for developers: https://beta-karttakuva.maanmittauslaitos.fi/vtbasemaps/frontpage.html

VECTOR TILE MAP

Itä-Pasila
Östra Böle

Vallila
Vallgård

VECTOR TILE MAP "NIGHT VIEW"

KARLEBY