

Topic 4

Spatial data on the web using the current SDI



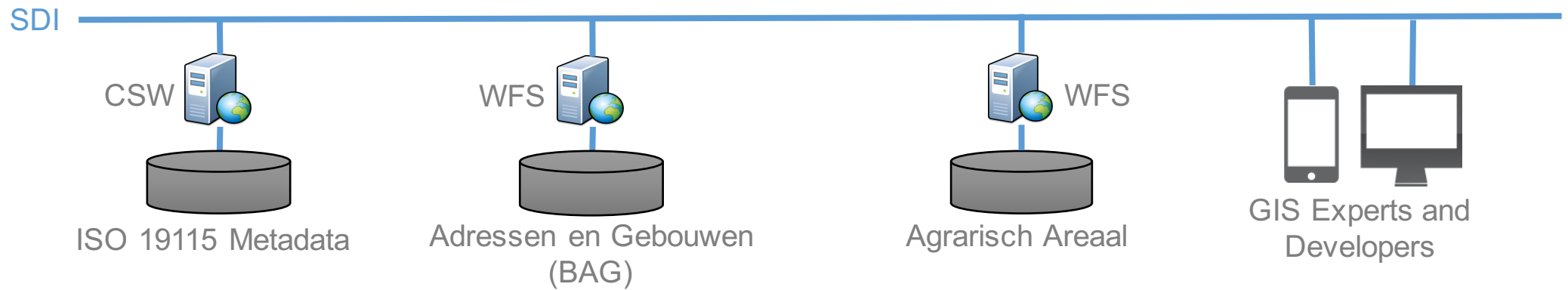
Why we are interested in this testbed topic?

- Builds upon the existing infrastructure for spatial data sets and the related workflows for data management and dissemination
- At the same time it allows to think ahead, investigate and develop a proposal for making feature-based spatial data sets available on the web
- We aim to get a better understanding in how far the current spatial data infrastructures are or can be made compatible with providing spatial data on the web and which conceptual issues need to be addressed

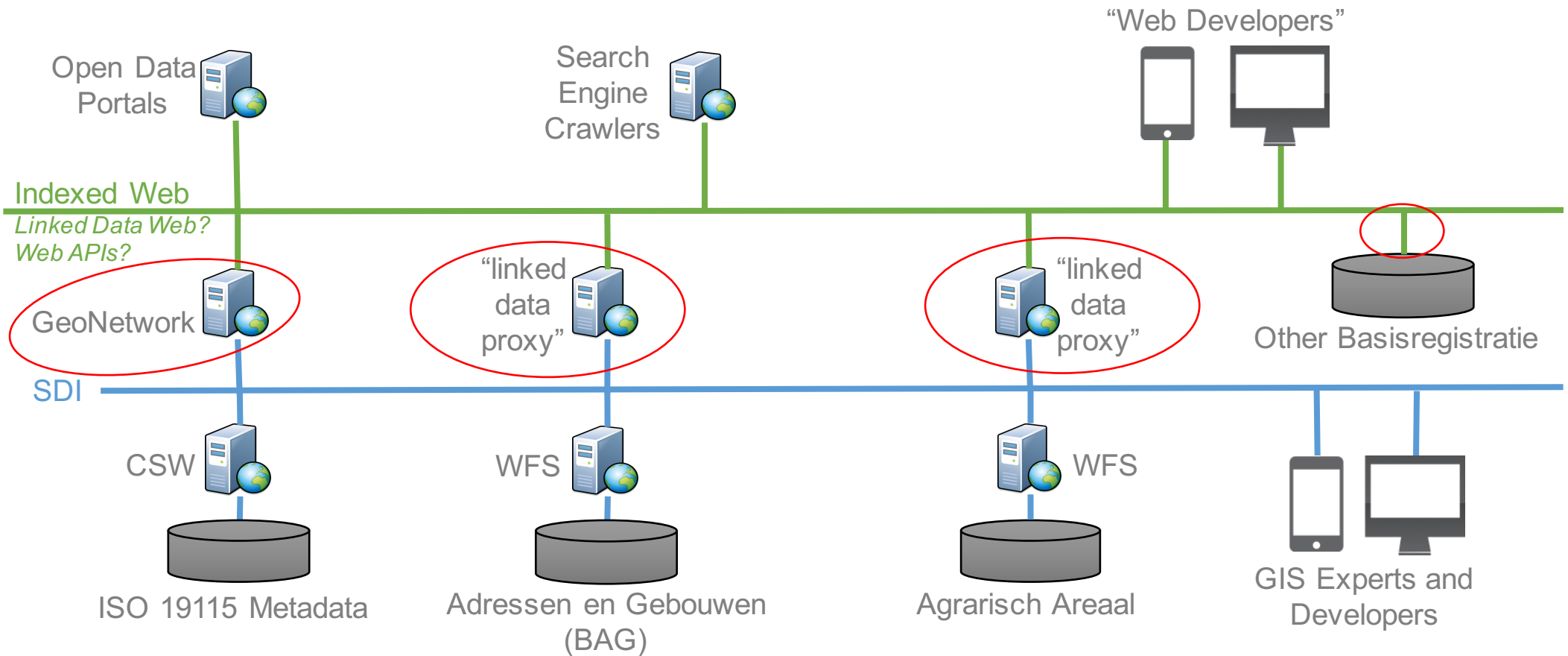
What are we trying to do?

- crawlability and linkability, i.e. making each resource hosted by a WFS or CSW available via a persistent URI and ensure that all resources can be reached via links from a “landing page” for a data set (= **presence on the web of data**)
- classification of the resources using vocabularies supported by the main search engines on the web (= **harmonisation of data discovery**)
- representations of data for consumption by humans (HTML), web-developers (JSON) and search engine crawlers (HTML with JSON-LD annotations) (= **data access based on current web practices**)
- establishing and maintaining links between data (= **connecting data with other data on the web**)
- discovery of both spatial and non-spatial data by the same search engine (= **harmonisation of data discovery**)

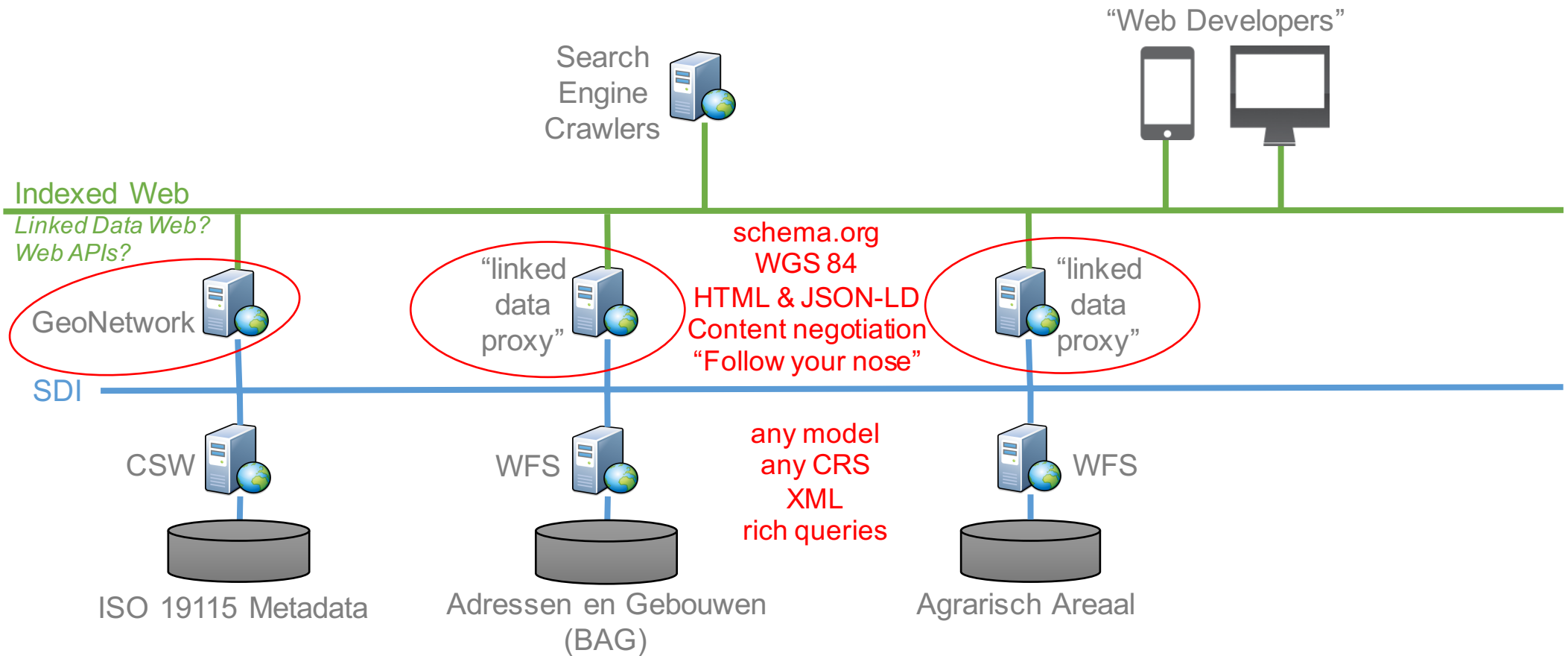
The starting point



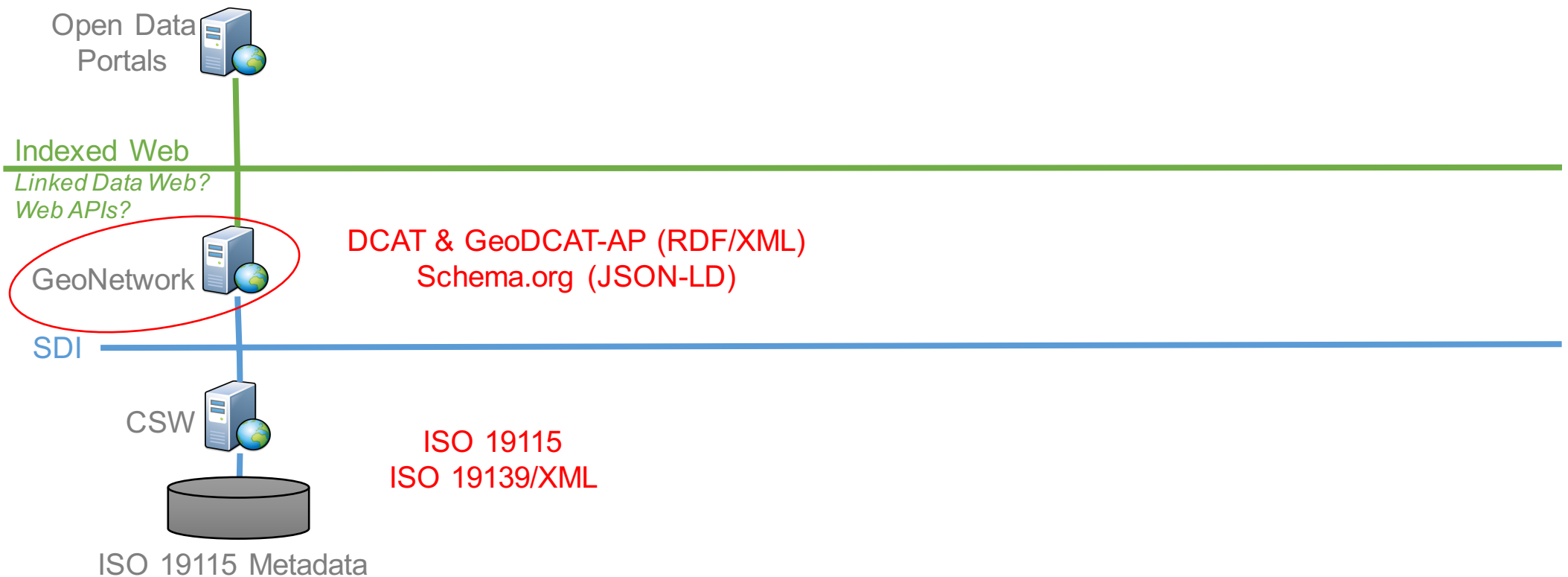
What we will build



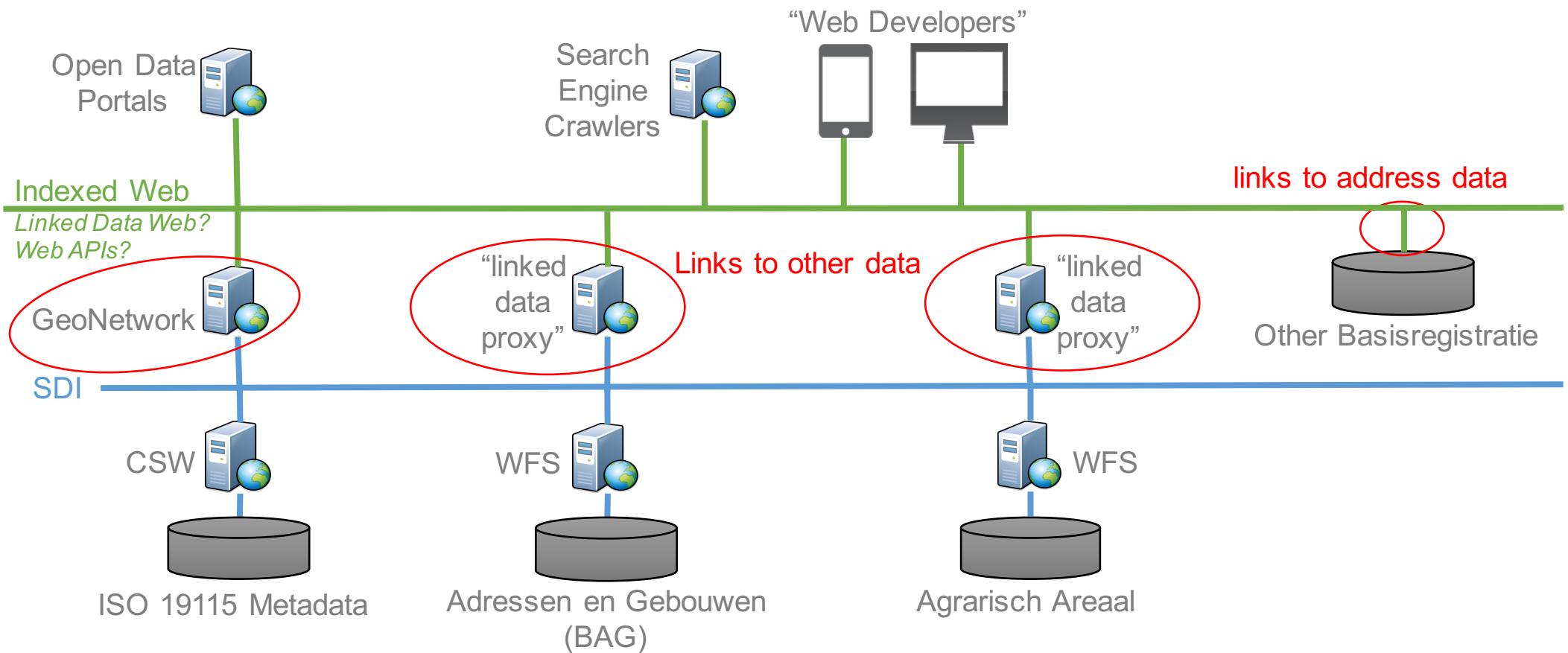
Data discovery, data access



Data discovery



Links to and from non-spatial data



Validation

Review
find data using search engines
analyse impact on ranking
analyse proxy performance

