



# **WPC: BNSI Experience (November 2018 – May 2019)**

**F2F meeting, 17-18 June 2019, Sofia**

## Use-cases

- Use case 1: URLs Inventory
- Use-case 2: Variables in the ICT usage in enterprise survey:
  - enterprises engaged in web sales on their website
  - enterprises that are present on social media
  - enterprises using Twitter for a specific purpose
  - enterprises having specific features of the website, e.g. job advs

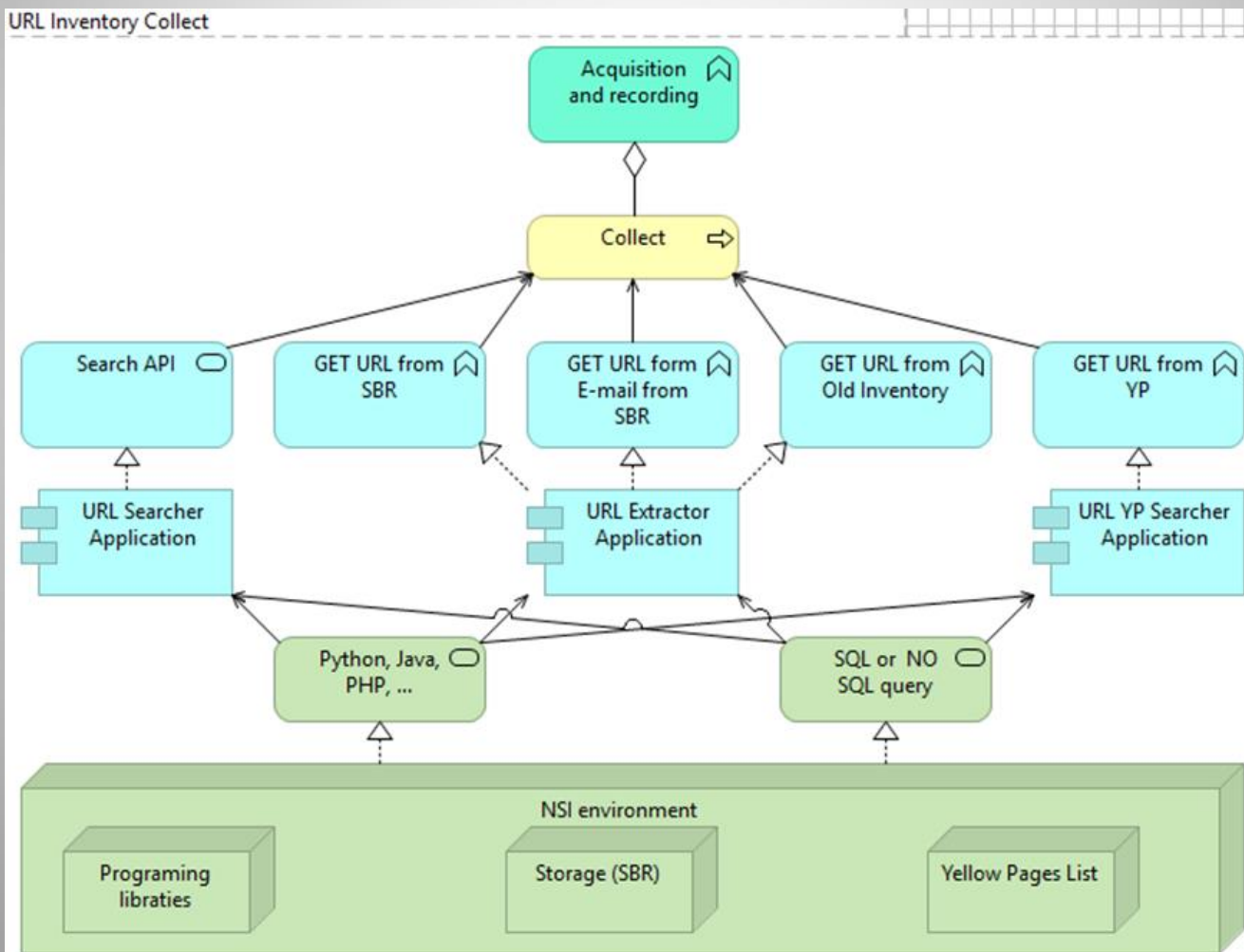
## IT tools

- BNSI software (PHP)
- ISTAT software (JAVA, Solr, R)
- Statistics Poland (Python)

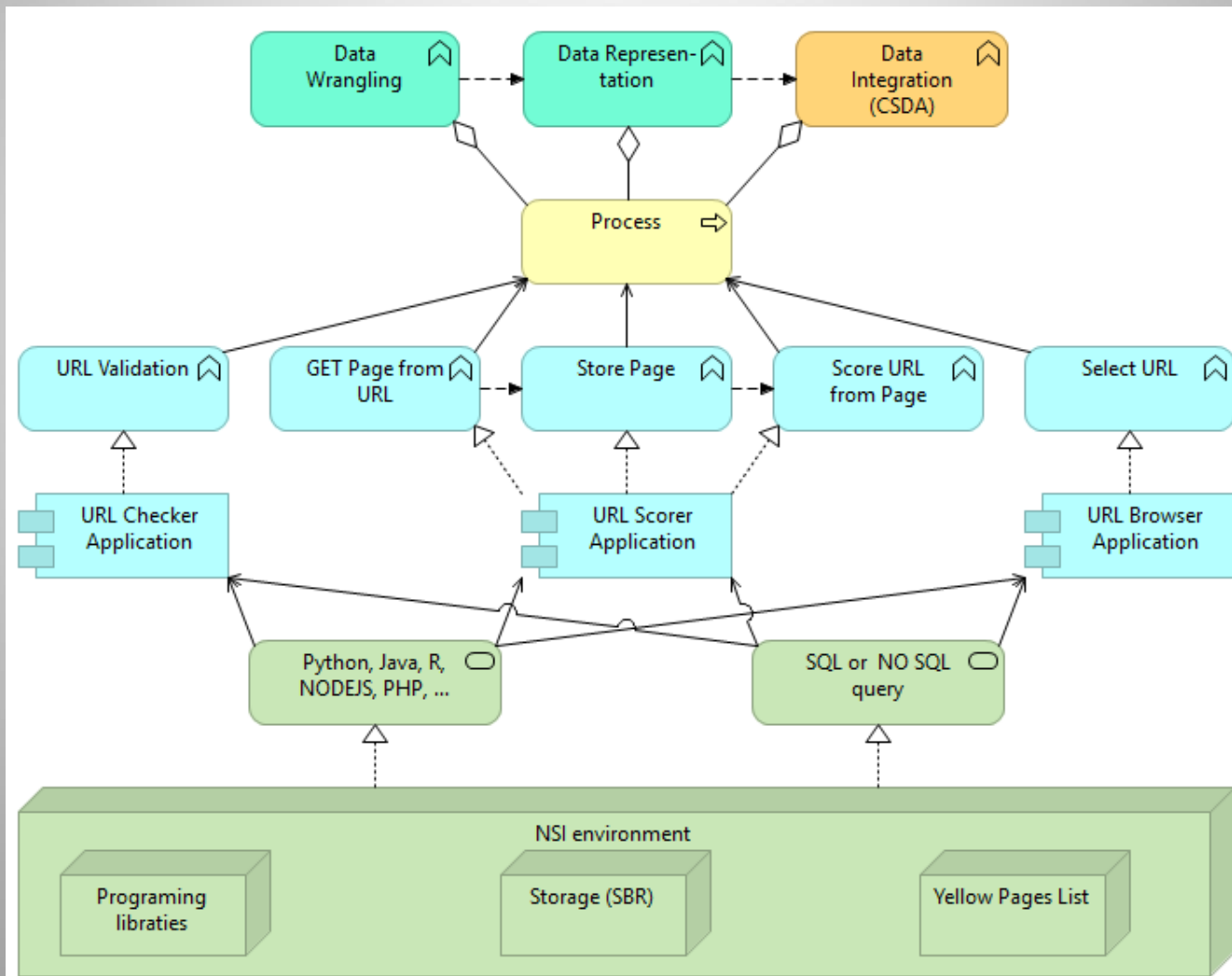
## Initial data from SBR

- 28628 enterprises (ICT survey target population, with 10 and more employees)
- 9939 URLs from SBR (updated during the ESSnet on BD I)
- Addresses
- E-mails
- Phone numbers
- NACE codes
- ...

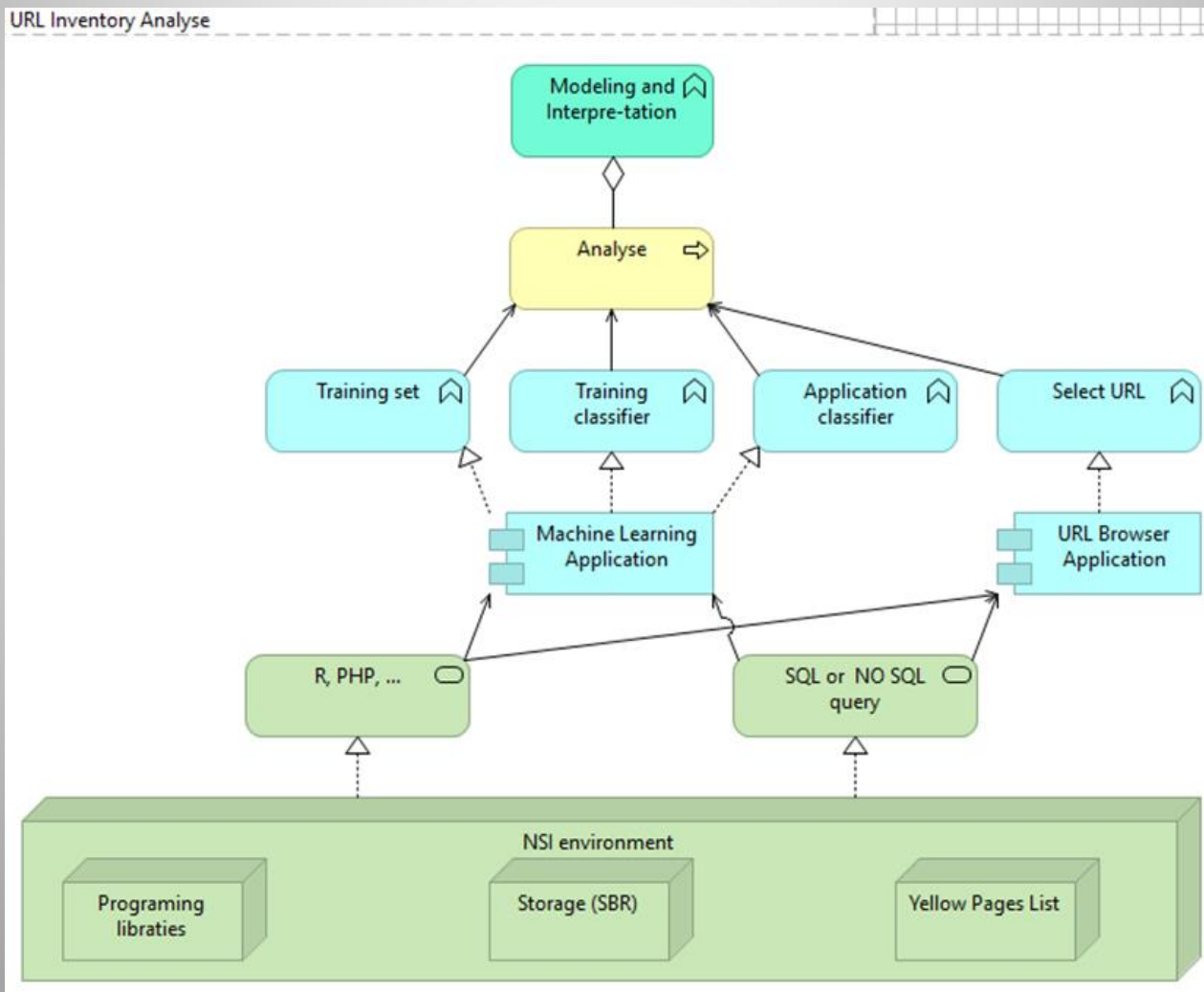
# URLs Inventory: Collect



# URLs Inventory: Process



# URLs Inventory: Analyse



## URLs Inventory: Statistical Indicators

- Rate of enterprises having websites – 46.5%
- Enterprises by NACE category having web sites
- Enterprises by NUTS Level 3 having web sites



## Variables in the ICT usage in enterprise survey (1)

- Rate of enterprises engaged in web sales on their website
  - 5.3 % ICT survey target population
  - 11.3 % enterprises having websites
- Rate of enterprises that are present on social media
  - Bulgarian software:
    - 16.2 % ICT survey target population
    - 34.9 % enterprises having websites
  - Polish software:
    - 19.2 % ICT survey target population
    - 41.2 % enterprises having websites

## Variables in the ICT usage in enterprise survey (2)

- Rate of enterprises using Twitter for a specific purpose – not calculated yet
- Rate of enterprises having specific features of the website
  - job advs (*could be source for WPB OJV*)
    - 5.1 % ICT survey target population
    - 11 % enterprises having websites



## ICT usage in enterprise with less then 10 employees

- Number of enterprises with less then 10 employees from SBR: 309691
- Total number of employees: 590102
- Number of e-mails of the enterprises: 292845
- Verified urls from the e-mails: 2567
- Number of successful searches in Google Search API: 307321 (309691)
- Urls of enterprises found with previous project: 1059
- Working: Urls of enterprises found with the project: 996

**THANK YOU!**