Principle of common work space (CWS) and issues related to geo-location of sensitive national data consequences for reporters

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Increasing demand for data collection
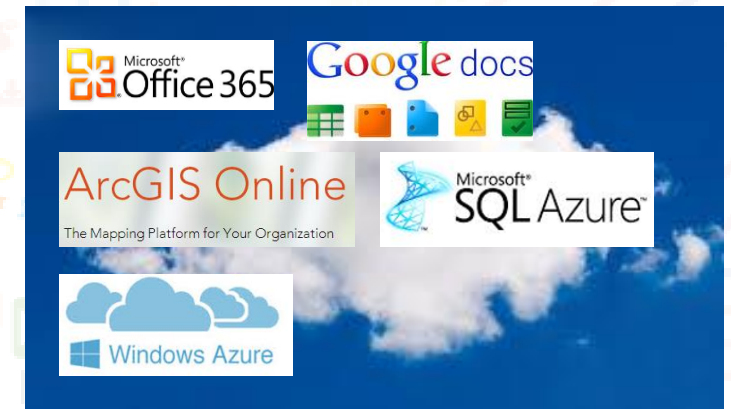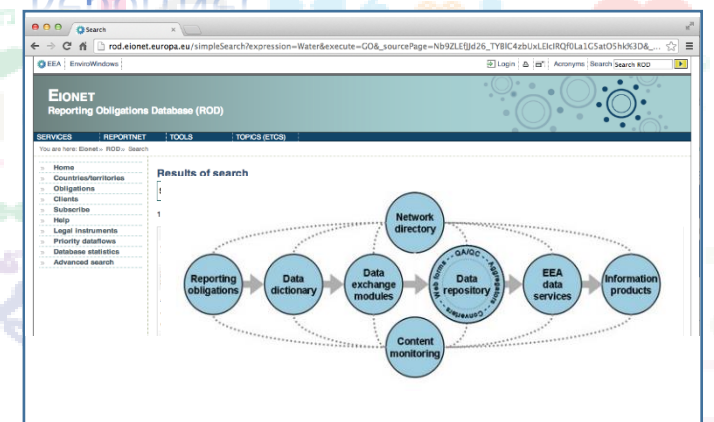
Cross-sector data interoperability

INSPIRE data

- SD:Species distribution
- PD: Population Distribution
- EL:Elevation
- TN:Transport networks
- ER:Energy Resources
- US: Utilities and Governmental Services (Waste Management)
- PF:Production and industrial facilities
- AF:Agricultural and aquaculture facilities
- SO:Soil
- BU:Buildings
- HB:Habitats and biotopes
- AM:Area management/ restriction/ regulation zones & reporting units

Data from other sectors

Waste
PRTR
SEVESO

Urban Planning

Waste Management Plans

Environmental Impact Assessment

Risk Management
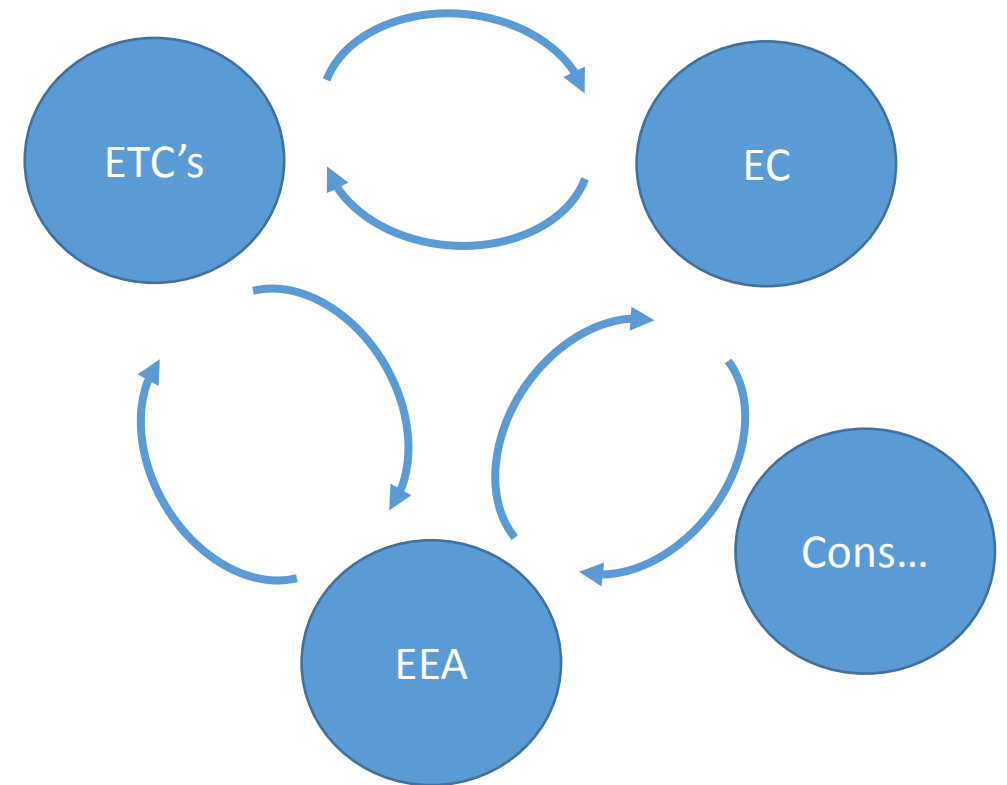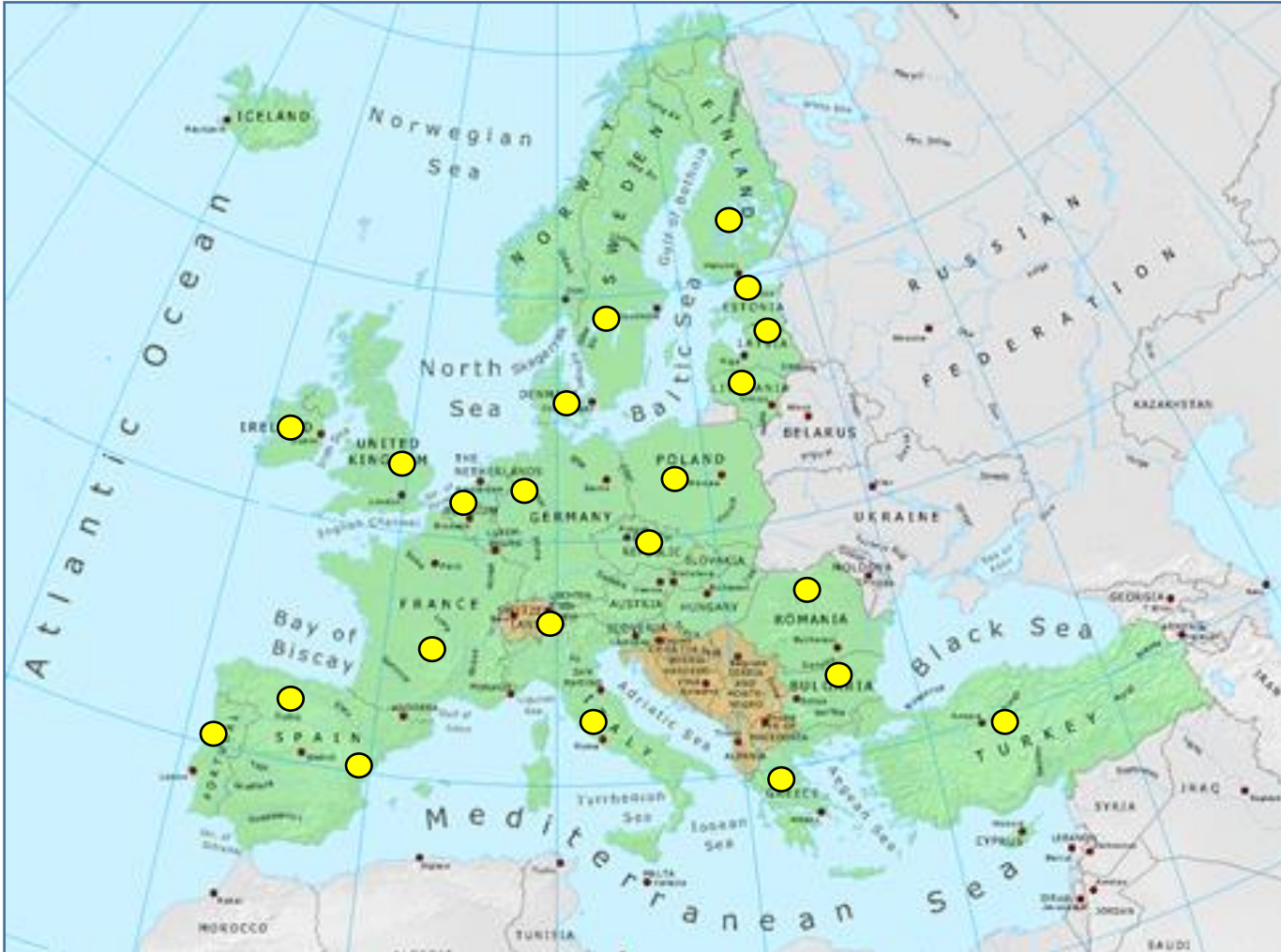
…

Who handles data (flows) in EEA?

TEAMWORK
Together Each Achieves More
FreePosterMaker.com
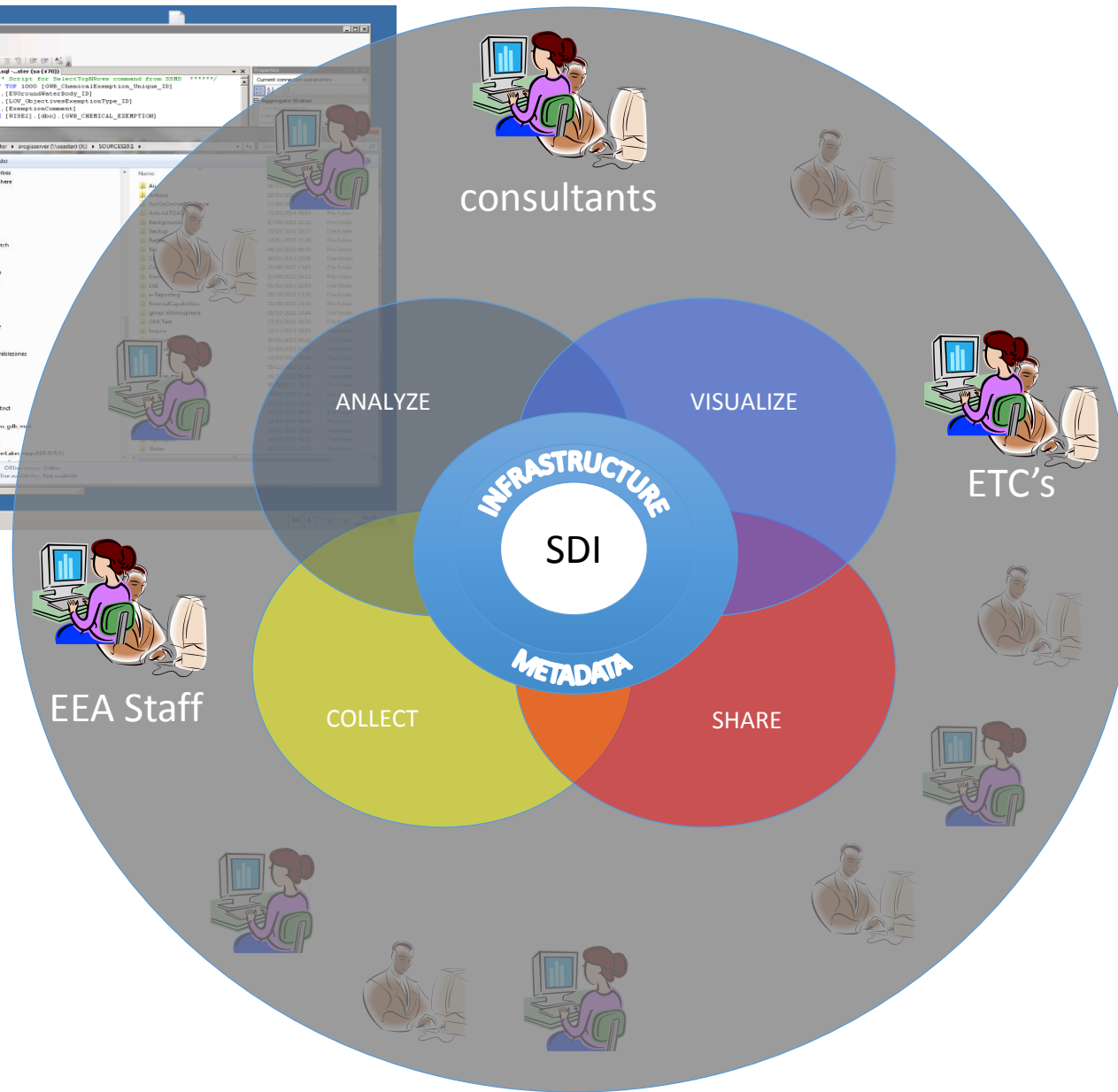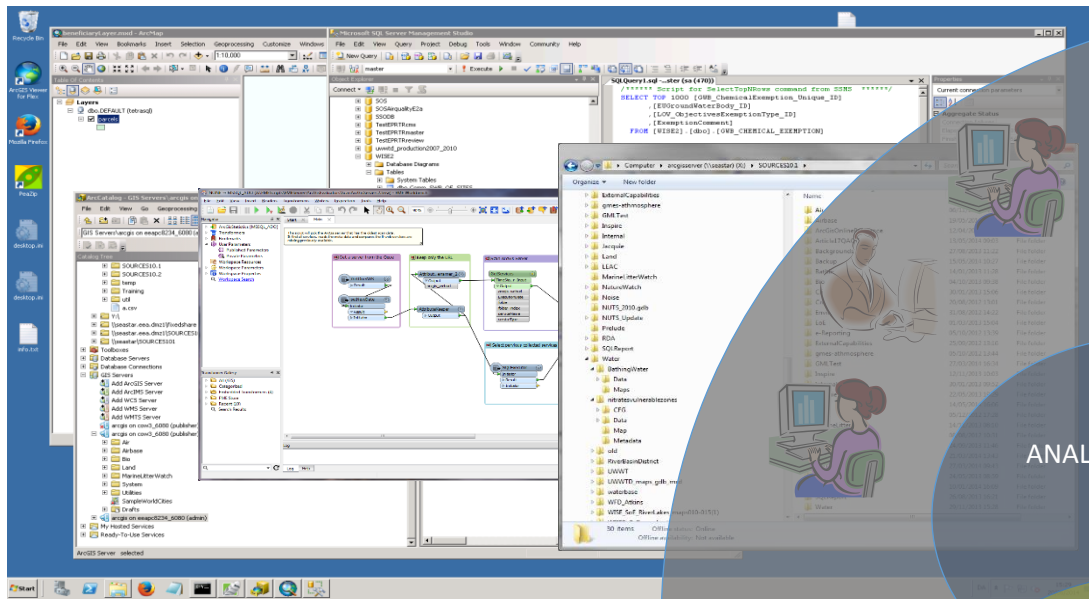
5 Developers versus 25 data operators

ETC's
EC
Cons…
EEA

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Work is distributed over Europe

○ Fysical locations
EEA, ETC, Consulants ,EC

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Common workspace

consultants

ANALYZE

VISUALIZE

ETC's

INFRASTRUCTURE

SDI

METADATA

EEA Staff

COLLECT

SHARE

Change
Next Exit

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Common workspace
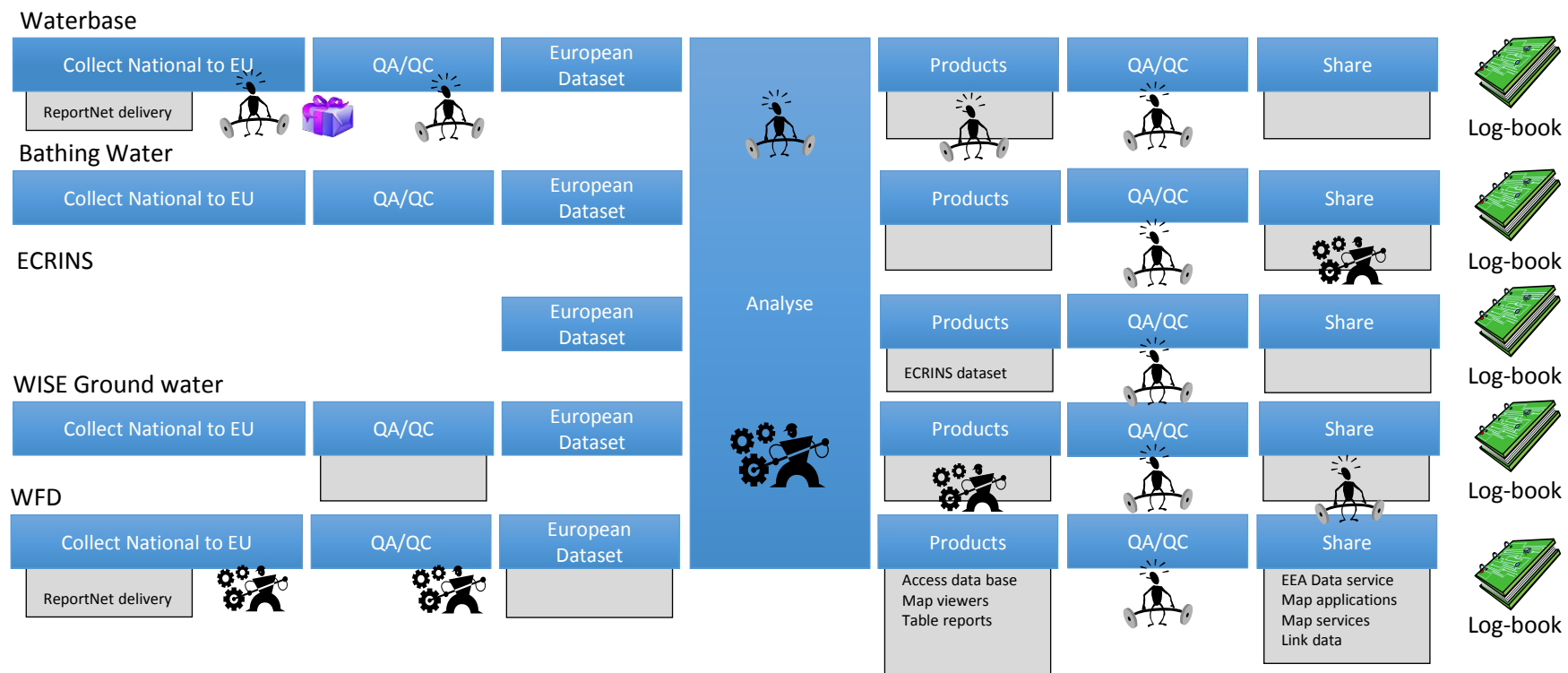
A workspace is a folder structure,files and databases glued together by scripts, tools or manual actions described in a log book. This glue is preferable automated rarther then a list of manual actions.

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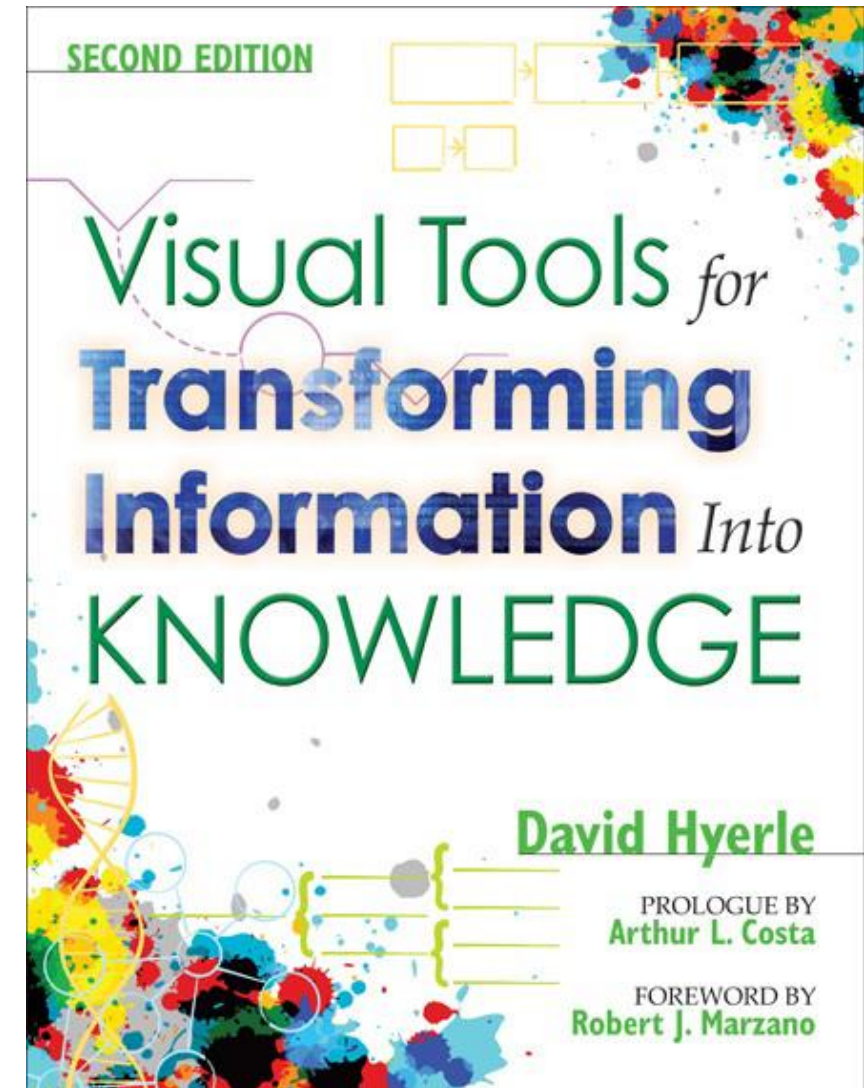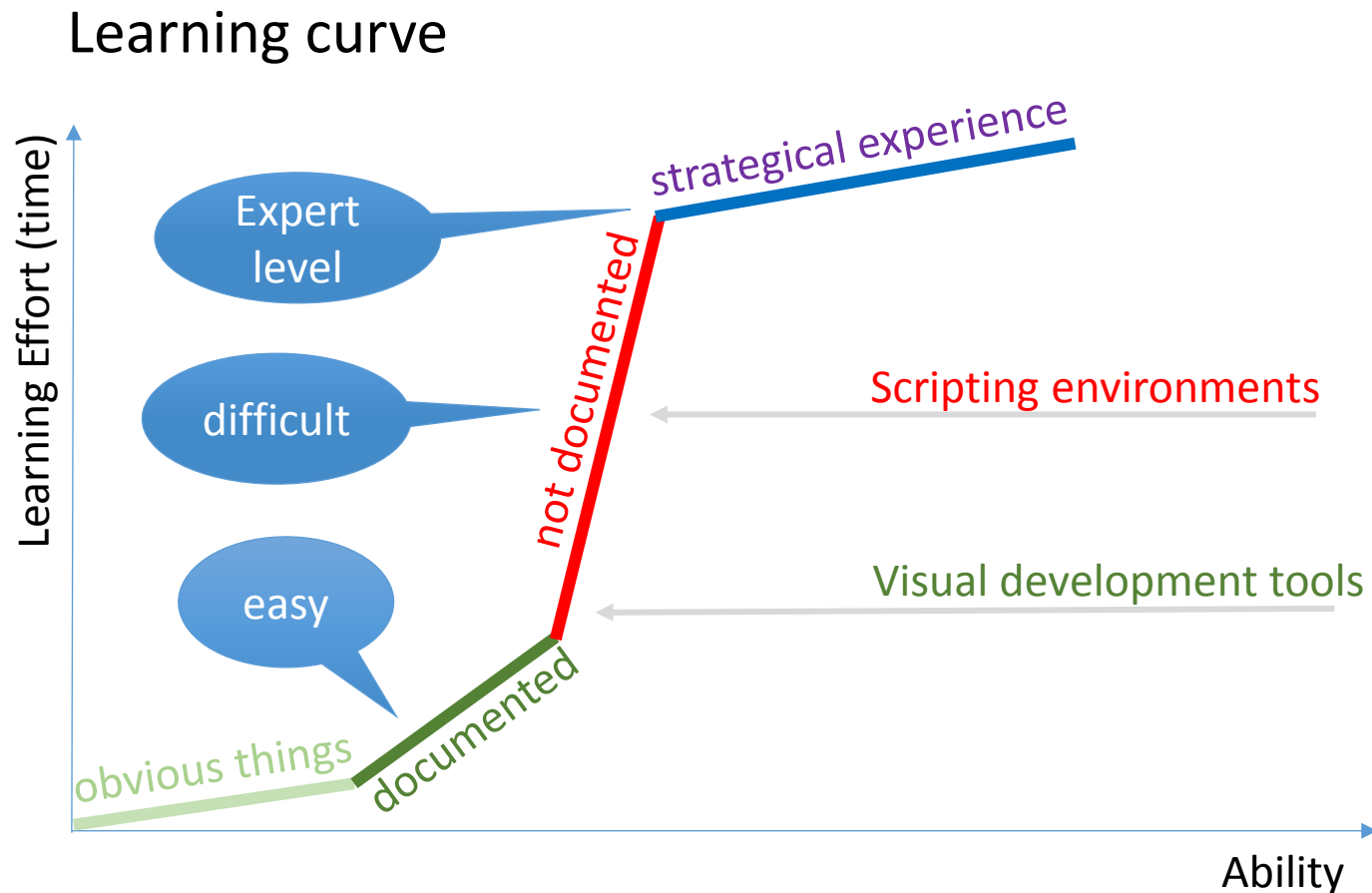
Automation/Maintenance/Complexity


```
public class TcpClientSample
{
    public static void Main()
    {
        byte[] data = new byte[1024]; string input, stringData;
        TcpClient server;
        try{
            server = new TcpClient(" . . . . ", port);
        }catch (SocketException){
            Console.WriteLine("Unable to connect to server");
            return;
        }
        NetworkStream ns = server.GetStream();
        int recv = ns.Read(data, 0, data.Length);
        stringData  = Encoding.
        ASCII.GetString(data, 0, recv);
        Console.WriteLine(stringData);
        while(true){
            input = Console.ReadLine();
            if (input == "exit") break;
            newchild.Properties["ou"].Add
            ("Auditing Department");
            newchild.CommitChanges();
            newchild.Close();
```
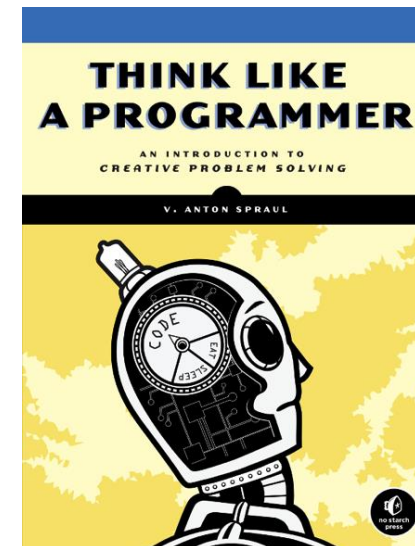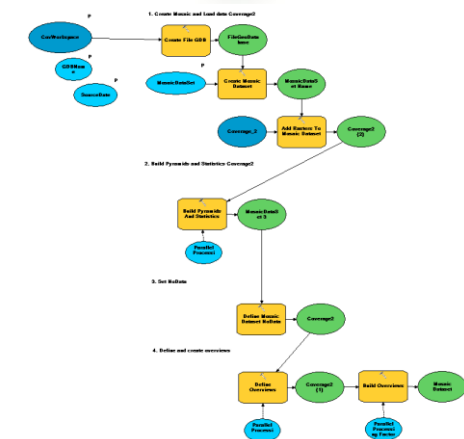
10,000+ lines of code
400+ SQL procedures

Share the burden (Developers/Operators)

Move from scripting towards visual tools

Example Natura 2000

Natura 2000 exports formats

Total development time : 5 working days
Previous scripts : 24 working days for partial solution
Maintenace cost : Reduced to 80%
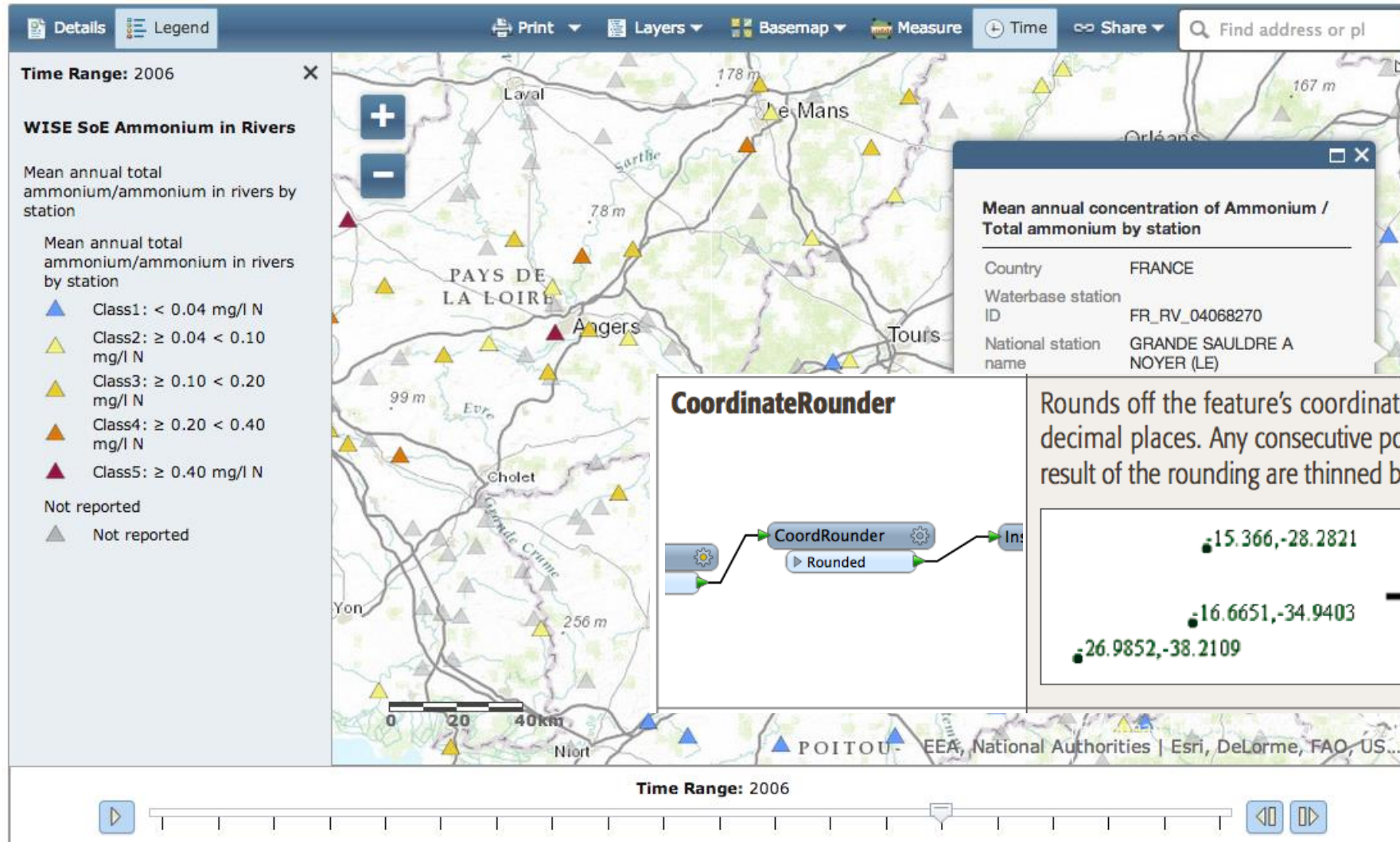
Example customization
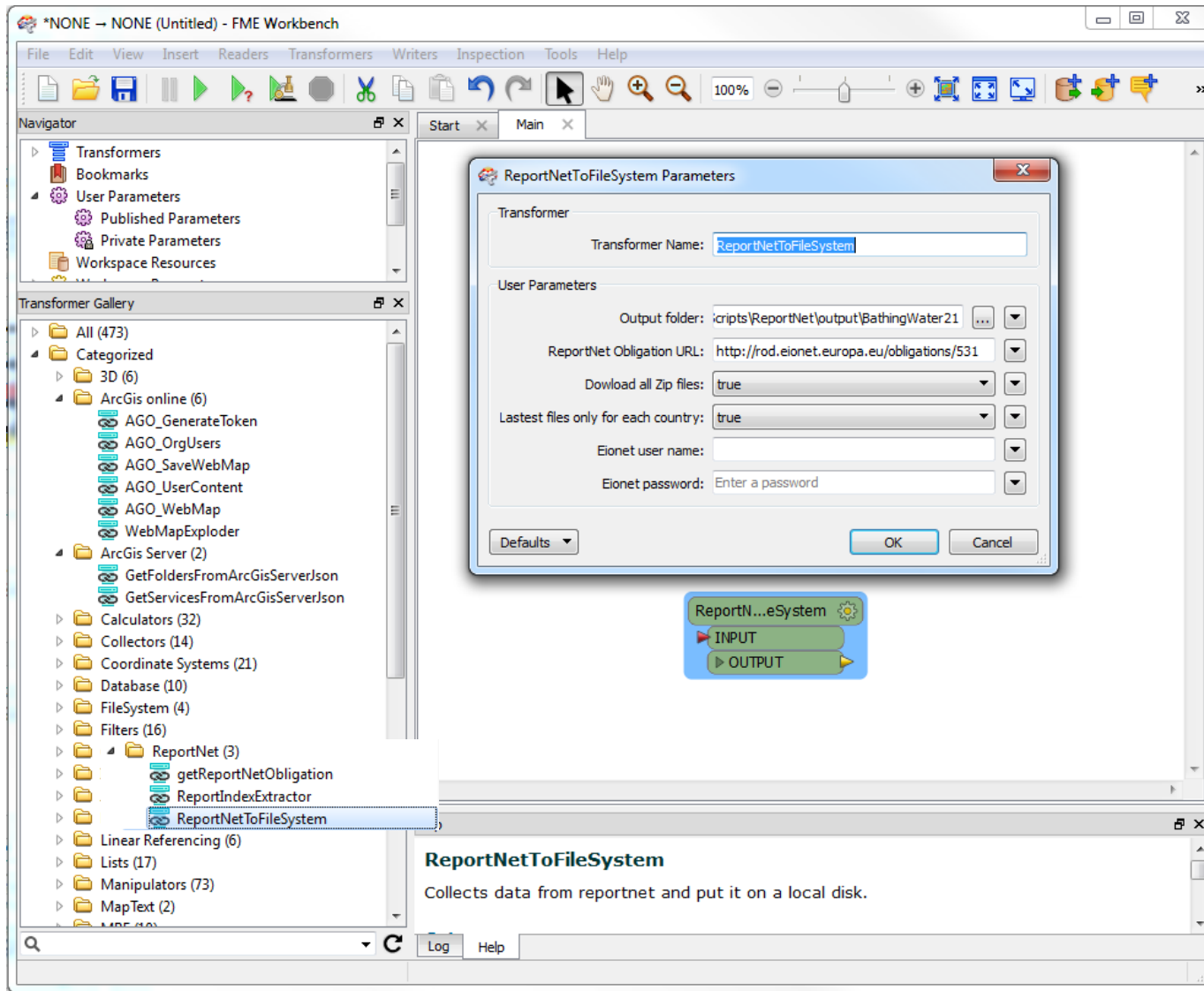
EEA Specific formats integrated

- One time created, used many
- Plug and play
- Easy to use by none developers

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Issues related to geo-location of sensitive national data consequences for reporters

Questions ?

Thank you!

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