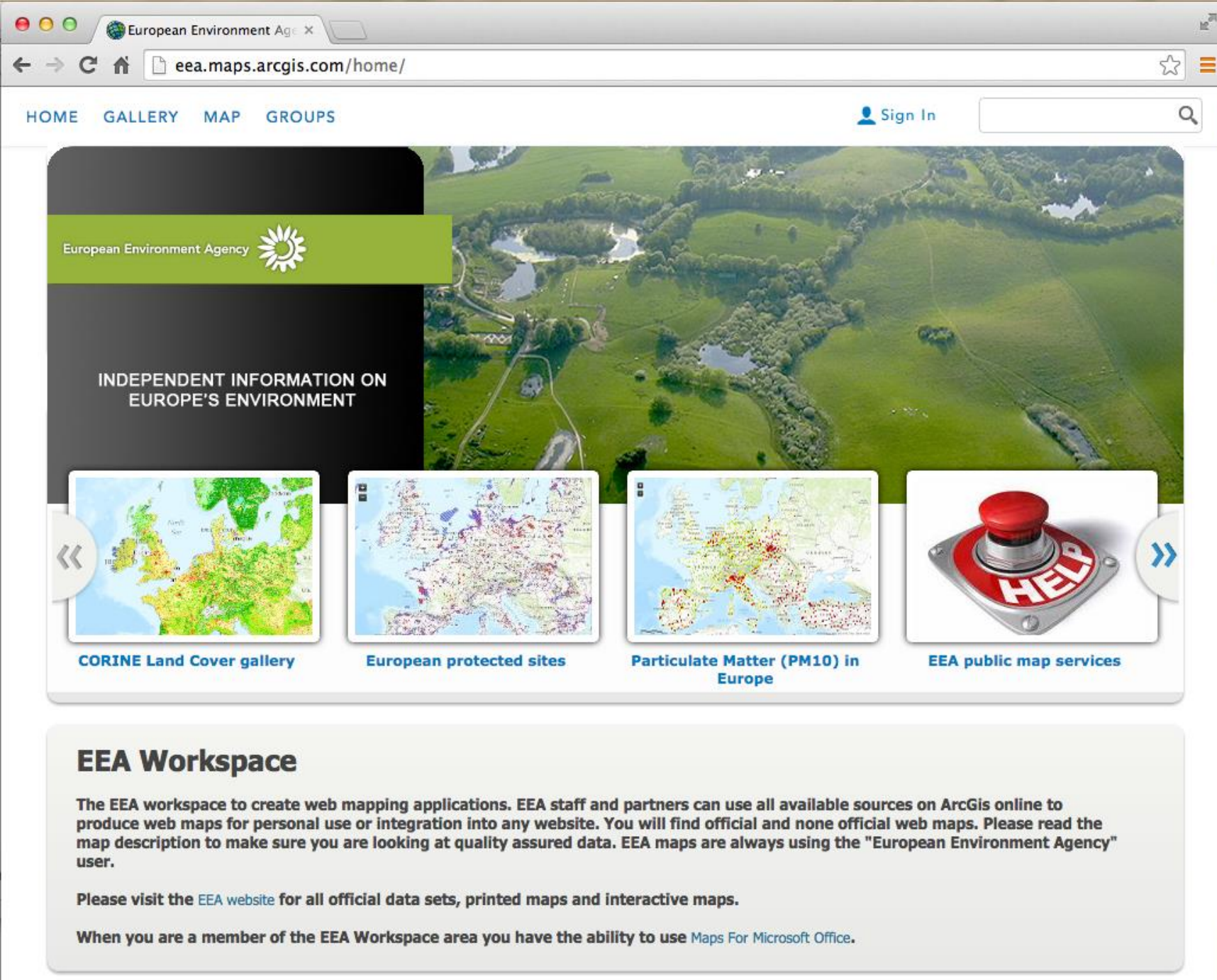




# ArcGis online used as a workspace for web mapping and map application distribution

2014 Esri user Conference

14 October 2014, Split



EEA explored ArcGis online since 2008 and became a production environment as from 2010.

8.000 Credits / year

## European Environment Agency Portal

Jan Bliki

ITEMS

USERS

GROUPS

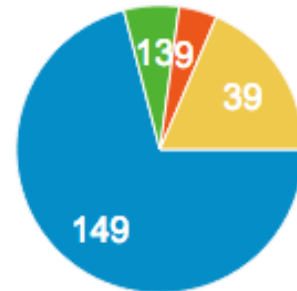
### Portal Users

#### Accounts

Using  
**210** of **3250**  
Named User Accounts

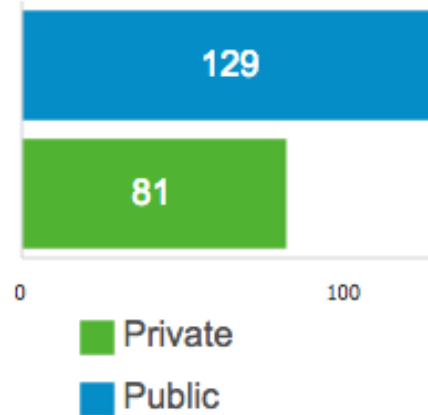
**14%** Login Rate  
**6** Logins Today

#### Users by Role



- Authors
- Publishers
- Administrators
- Custom Role

#### Users by Profile Visibility



#### Users by Credit Use

30 Days 3 Months **6 Months**

Username	Credits
rakedbr	3,650.32
alberto_eoe	590.96
gazy	0.92
RolfErnstPeter	0.52
ungermar	0.01
snojjluk_etcicm	0.00
gsellart	0.00
lindner	0.00
panagper_ETCICM	0.00
Atkins_EEA	0.00



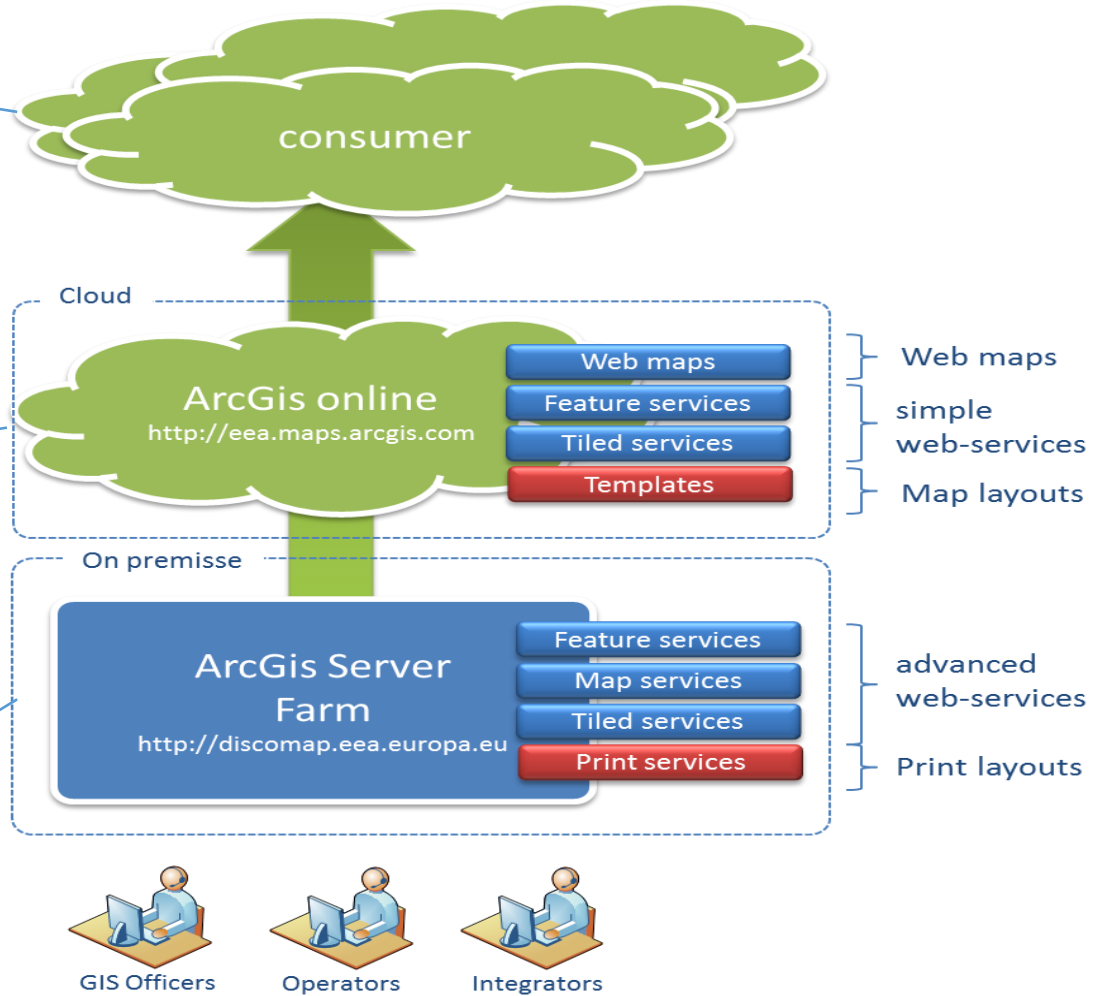
# EEA Web GIS



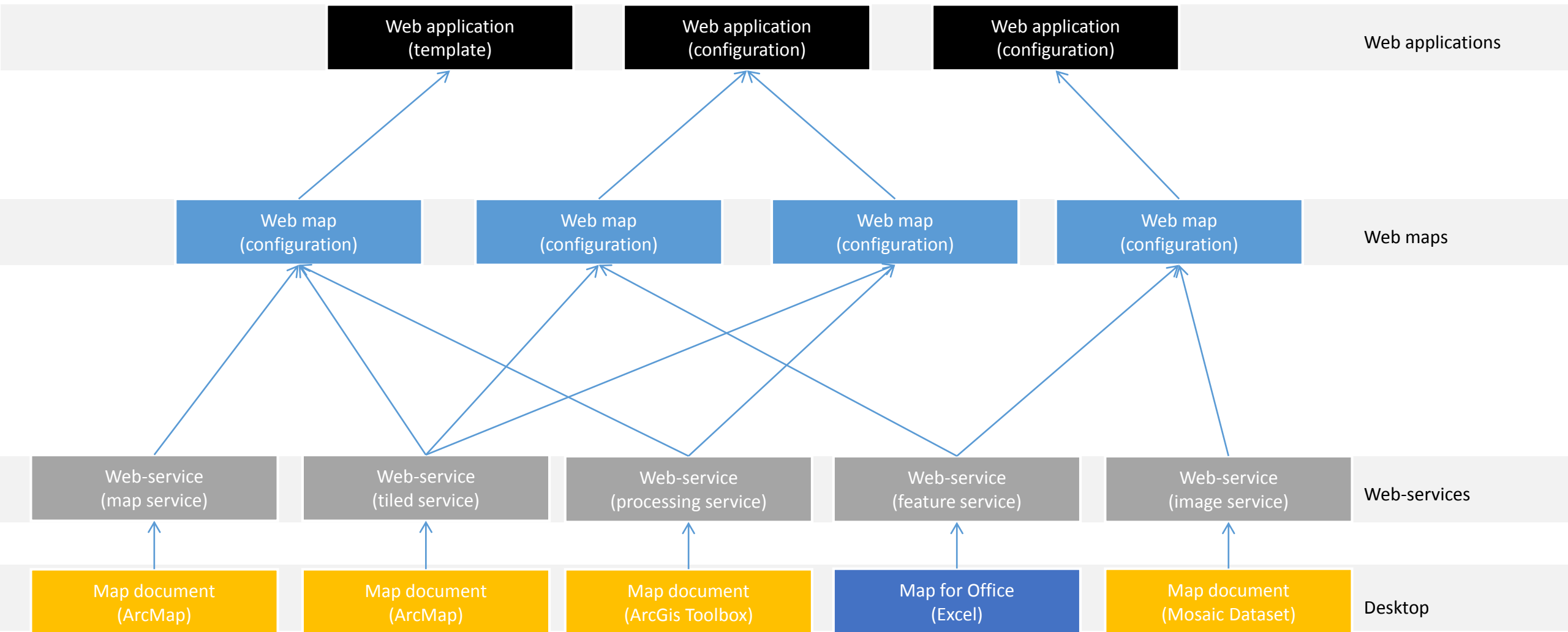
<http://eea.maps.arcgis.com>



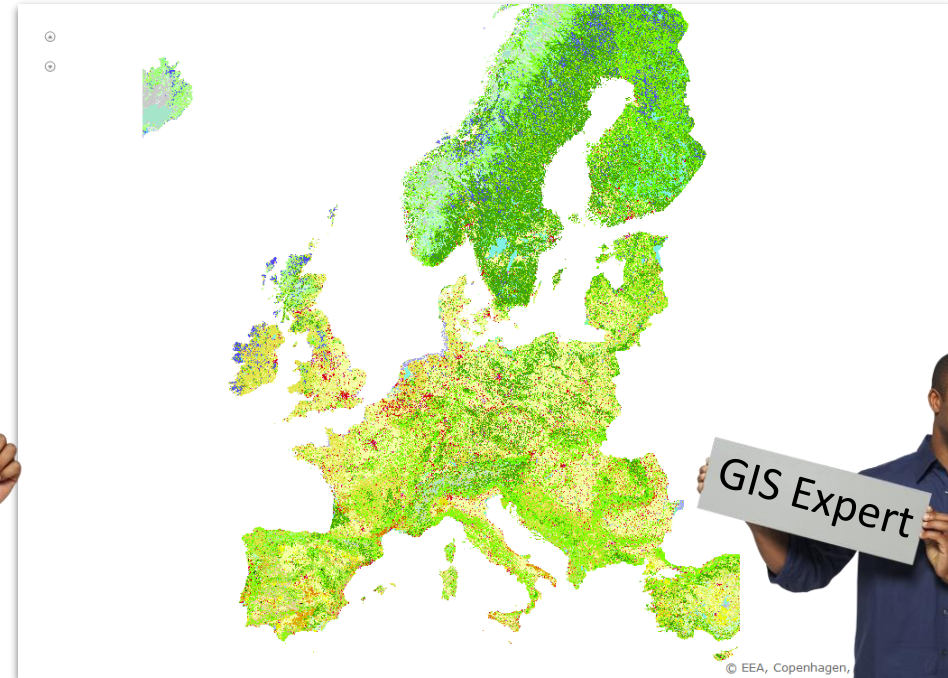
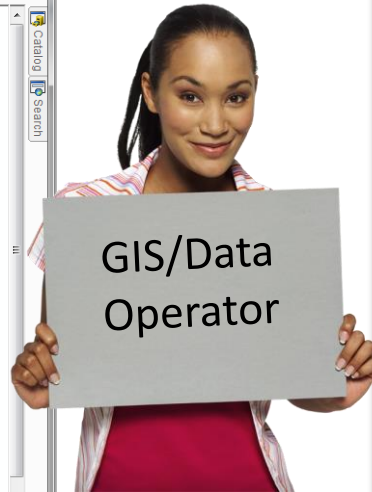
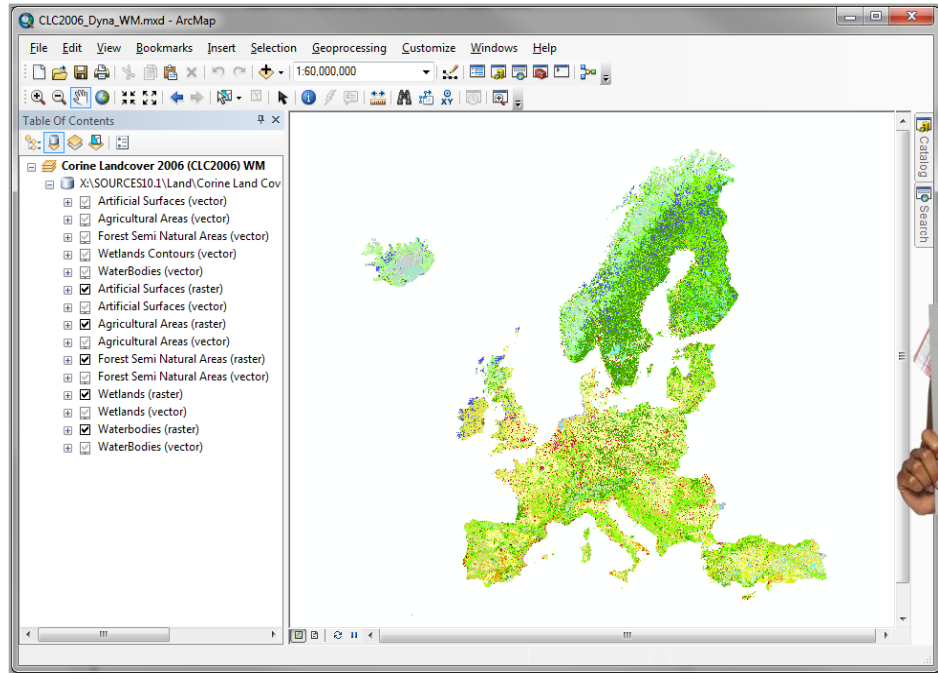
<http://discomap.eea.europa.eu>



# Components tree



# Step 1: Building map services



## Desktop ArcMap

- Prepare Database
- Create map and layout
- Fields selection and Aliases creation
- Optimising performance

## Publish as map service

- ArcGis online (Feature Service or Tiled service)  
<http://eea.maps.arcgis.com>
- ArcGis Server (INSPIRE, Map Service, Print Service)  
<http://discomap.eea.europa.eu>

# Step2: Produce a web map

Filter data, Layer order, Popup configuration, Simple analytics, Meta data (title, description,...)



ArcGIS Online Assistant

Help ▾ I want to... ▾ Inspect content

Bliki @ European Environment Agency ▾

Root 5

- Coverage1\_PanChrome (Map Service) 🔗
- b (Web Map) 🌐
- test time line in AGO web map (Web Map) 🌐
- Coverage1\_PanChrome (Tile Package) 📄
- downloadOption\_demo (Web Mapping Application) 🔗

Alex 0

Toolbox 3

Anna 2

Coverage1\_PanChrome (Map Service)

Description

```
{
  "id": "0f47d816315d49da8447a3ee65a90057",
  "owner": "Bliki",
  "created": 1407480648000,
  "modified": 1407480775000,
  "guid": null,
  "name": "Coverage1",
  "title": "Coverage1_PanChrome",
  "type": "Map Service",
  "typeKeywords": [
    "Data",
    "Service",
    "Map Service",
    "ArcGIS Server",
    "Hosted Service"
  ],
  "description": "test",
  "tags": [
    "test"
  ],
  "snippet": "test",
  "thumbnail": "thumbnail/ago_downloaded.png",
  "documentation": null,
  "extent": [
    [
      -28.7604533107895,
      16.8667037965816
    ],
    [
      71.3537160064722,
      74.6973581443523
    ]
  ],
  "spatialReference": "WGS_1984_Web_Mercator_Auxiliary_Sphere",
  "accessInformation": "test",
}
```



Did you know...



# Step 3: Producing a web application

**Corine Land Cover For Europe (1990-2006)** European Environment Agency

Details Legend Print Layers Basemap Measure Share Find address or place

**Corine Land Cover Europe 2006**

Artificial Surfaces

- Artificial Surfaces (raster)
- CONTINUOUS URBAN FABRIC
- DISCONTINUOUS URBAN FABRIC
- INDUSTRIAL OR COMMERCIAL UNITS
- ROAD AND RAILNETWORKS AND ASSOCIATED LAND
- PORT AREAS
- AIRPORTS
- MINERAL EXTRACTION SITES
- DUMP SITES
- CONSTRUCTION SITES
- GREEN URBAN AREAS
- SPORT AND LEISURE FACILITIES

Agricultural Areas

- Agricultural Areas (raster)
- NON-IRRIGATED
- PERMANENTLY IRRIGATED LAND
- RICE FIELDS
- VINEYARDS
- FRUIT TREES AND BERRY PLANTATIONS
- OLIVE GROVES
- PASTURES

**Share**

Configurable Apps Web AppBuilder (Beta)

Click a template's thumbnail to preview it or click its links to download it to your computer or publish it to the web.

EEA MapBook	EEA Multiple elevation services	EEA Print to image Template	EEA Side by side Template
EEA Swipe Template	EEA Tabbed Story Map Template	Elevation Profile	Filter (Retired)

1 2 3 4

< Back

CLOSE

# Step 3: Producing a web application

## CONFIGURE APP

Corine Lar

Details Legend

Corine Land Cover Eu 2006

- Artificial Surfaces
- Artificial Surfaces (ra)
  - CONTINUOUS URBAN FABRIC
  - DISCONTINUOUS URBAN FABRIC
  - INDUSTRIAL OF COMMERCIAL URBAN FABRIC
  - ROAD AND RAILNETWORKS ASSOCIATED LAND
  - PORT AREAS
  - AIRPORTS
  - MINERAL EXTRACTION SITES
  - CONSTRUCTION SITES
  - URBAN BROWN
  - PORT AND LEISURE ACTIVITIES

GIS/Data Operator

### General Settings

Color Scheme:

Show Title

Title Text:

Logo on map:

Logo on top banner:

Link on logo on top banner:

Link to facebook:

Link to twitter:

Include Overview Map

Disable MouseWheel Zoom

Locator Source Country

A value representing the country. Providing this value increases geocoding speed. Country code list: here

### Layout

Display Info In Pane

Left pane width

Resize Images in Left Pane

Force embedded mode

### Menu Items

Legend \*

Details \*

Details first

Editor \*

Time Slider \*

Print

Download

Layer List \*

Basemaps

Bookmarks

Measure

Elevation

Show elevation difference

Share

Search

Geoprocess Tool

Webmap Identificator

\* These menu items will appear in the application when the web map has layers that require them.

### Data settings

Table view

Exclude table views:

Service list

Filters

### Pop-up value settings

Hide field in pop-up if the value is empty

Comma-separated list of values to exclude in pop-up

Trim long text fields and show them in modal dialog

Trim long text fields after #characters

### Time slider settings

Keep Time Extent Enabled

Thumb moving rate

Number of stops

Time stop interval

Single Time Instant Data:

Time slider thumb count:

Time settings only apply when web map has layers with temporal data.

Show latest data

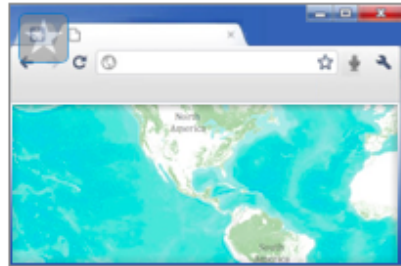
End date offset

End date offset removes the given number of date ticks from time extent, starting from end date, when display latest day is selected

Date pattern

Set date pattern to override the default pattern which is depending on time slider unit. Supported values: <http://dojotoolkit.org...>

# EEA Basic Template



A configurable basic EEA application template used to display a web map.

Web Mapping Application by [villamig\\_ago](#)

Last Modified: October 9, 2014

★ ★ ★ ★ ★ (0 ratings, 1,680 views)

[Facebook](#) [Twitter](#)

- OPEN ▾
- SHARE
- EDIT
- DELETE
- MOVE ▾
- CHANGE OWNER
- ATTACH CODE

## Description

### Configuration Parameters

```

{"values":
{"displaybasemaps":"true","displaylegend":"true","displayshare":"true","displaymeasure":"true","displayelevation":"false","showelevationdifference":"false","theme":"gray","displaydetails":"true","detailsfirst":false,"displayeditor":true,"displaylayerlist":true,"displayoverviewmap":true,"disablemousewheelzoom":false,"displaytimeslider":true,"displayprint":true,"displaytableview":false,"excludetableviews":"","displayfilters":false,"displayinfoinpane":false,"leftpanewidth":228,"resizeimages":false,"trimlongtext":true,"longtextthreshold":100,"ebmed":false,"displaydownload":false,"display servicelist":false,"displaysearch":true,"displaygptool":false,"displaywebmap":false,"ts_latestData":false,"timeslideroffsetunit":"days","timeslidertmbcount":"2","timeslidertmbcount":false,"timesliderendtoday":false,"keepTime":false,"hideEmptyValues":false}
"configurationSettings":{{"category":"<b>General Settings</b>" "fields":{{"label":"Color

```

# Did you know...



Developer

# ArcGis online is an open platform

Generic download option (public user)

The screenshot shows the ArcGIS Online interface. The browser address bar displays the URL: `maps.eea.europa.eu/EEABasicviewer/v3/?webmap=5bdedcf78cf84895bcc4b59f35673f42&displaydownload=true`. The page title is "MySiteCode". The map shows protected sites in Europe (Natura 2000) and Corine Land Cover Europe 2006. A "Download" button is circled in blue. A "Download options" dialog box is open, prompting for an email address, output format (Esri Shapefile), and economic sector (Agriculture, Demography, Energy, Environment, Education).

The screenshot shows the ArcGIS Online Repository page. The page title is "Repository: ArcGISOnline". The page contains a list of services:

- getFeaturesFromWebMap.fmw
- getFeaturesFromAGS\_V3
- getFeaturesFromWebMap2.fmw
- getFeaturesFromAGS\_V3
- getStaticImage.fmw
- getStaticImage



# Maintenance of web maps.



# Read and modify content in ArcGis online

ExportItems.csv - Microsoft Excel

PivotTable Tools: Options, Design

File Home Insert Page Layout Formulas Data Review View Esri Maps Options Design

Clipboard Font Alignment Number Styles Cells Editing

A25 Romania\_CLC

Row Labels	Count of Item Id
110159	1
Barcelona LAndcover	1
Adamsma1	2
exercise 1 martin	1
exercise 2 martin tapas	1
ademmcig	2
Exercise I KAA+CGA	1
Exercise I KAA+CGA-Copy	1
alberto_eoe	4
Agricultural Areas in Europe- Forests in Europe-Copiar	1
Natura2000	1
Natura2000-Interna	1
AlbertoGonzalez	2
BCN exercise	1
BCN exercise-Tipas	1
alinai	2
Exercise 1 IHO	1
Exercise 1 IHO-tapas	1
AncaDi	1
Romania_CLC	1
andercha	1
Barcelona_can	1
augeauferde	2
Barcelona CLC	1
Barcelona CLC-Copy2	1
autokar_ETCCT	2

PivotTable Field List

Choose fields to add to report:

- username
- userDirectory
- userGroups
- Item Title
- Item Id
- Item Type
- Item Shared
- web service url

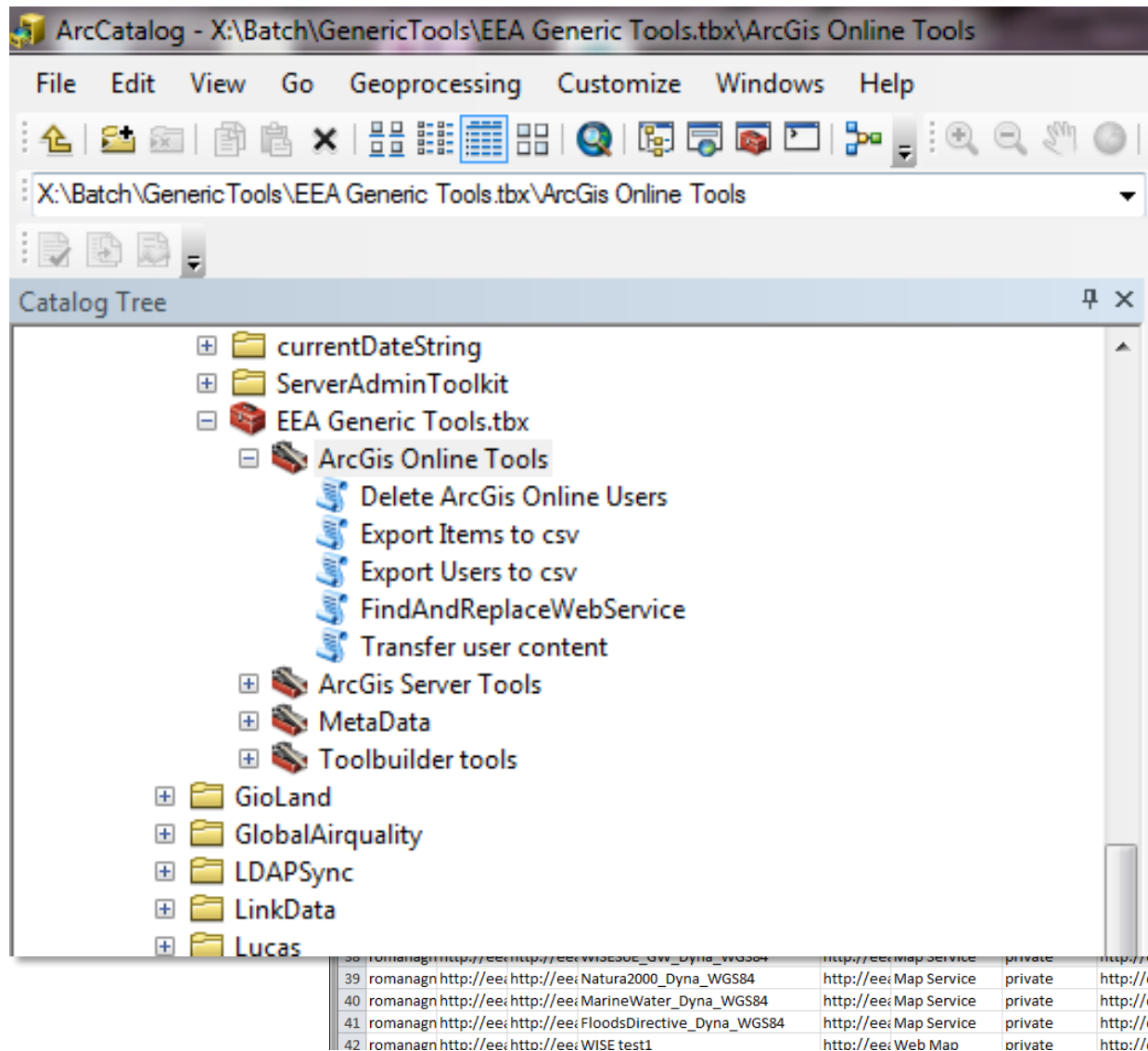
Drag fields between areas below:

Report Filter: web service url

Column Labels:



# Read and modify content in ArcGIS online



Total items published

Row Labels	Count of Item Title
Code Attachment	1
Code Sample	1
CSV	122
Desktop Add In	1
Feature Service	152
Geoprocessing Sample	1
Image	1
Image Service	11
KML	32
Layer	3
Map Document	5
Map Service	255
Mobile Application	5
Service Definition	16
Shapefile	13
Web Map	1776
Web Mapping Application	317
WMS	135
(blank)	
<b>Grand Total</b>	<b>2847</b>

The screenshot shows a Microsoft Excel spreadsheet with a table. The columns are labeled I, J, K, L, M, N. The rows contain various URLs and service names, such as "scomap.eea.europa.eu/ArcGIS/rest/services/Water/Groun", "scomap.eea.europa.eu/ArcGIS/rest/services/Bio/Biogeogr", "scomap.eea.europa.eu/ArcGIS/rest/services/Water/Urban", "scomap.eea.europa.eu/ArcGIS/rest/services/Water/Nitrat", "scomap.eea.europa.eu/ArcGIS/rest/services/Water/WFDS", "scomap.eea.europa.eu/arcgis/rest/services/Land/CLC2006", "scomap.eea.europa.eu/ArcGIS/rest/services/Water/WFDG", "scomap.eea.europa.eu/ArcGIS/rest/services/Water/RiverBasinDistrict\_Dyna\_WGS84/MapServer", "scomap.eea.europa.eu/ArcGIS/rest/services/Water/WISoE\_TCM\_Dyna\_WGS84/MapServer", "scomap.eea.europa.eu/ArcGIS/rest/services/Water/WFDRiverBasinDistrictInfo\_Dyna\_WGS84/MapServer", "scomap.eea.europa.eu/ArcGIS/rest/services/Water/WISoE\_GW\_Dyna\_WGS84/MapServer", "romagn http://ee: http://ee: Natura2000\_Dyna\_WGS84 http://ee: Map Service private http://discomap.eea.europa.eu/ArcGIS/rest/services/Bio/Natura2000\_Dyna\_WGS84/MapServer", "romagn http://ee: http://ee: MarineWater\_Dyna\_WGS84 http://ee: Map Service private http://discomap.eea.europa.eu/ArcGIS/rest/services/Water/MarineWater\_Dyna\_WGS84/MapServer", "romagn http://ee: http://ee: FloodsDirective\_Dyna\_WGS84 http://ee: Map Service private http://discomap.eea.europa.eu/ArcGIS/rest/services/Water/FloodsDirective\_Dyna\_WGS84/MapServer", and "romagn http://ee: http://ee: WISE test1 http://ee: Web Map private http://discomap.eea.europa.eu/ArcGIS/rest/services/Water/EPRTDiffuseWater\_Dvna\_WGS84/MapServer".

# Any questions?



[Jan.bliki@eea.europa.eu](mailto:Jan.bliki@eea.europa.eu)