

Bring imeji zum sprechen - die REST API

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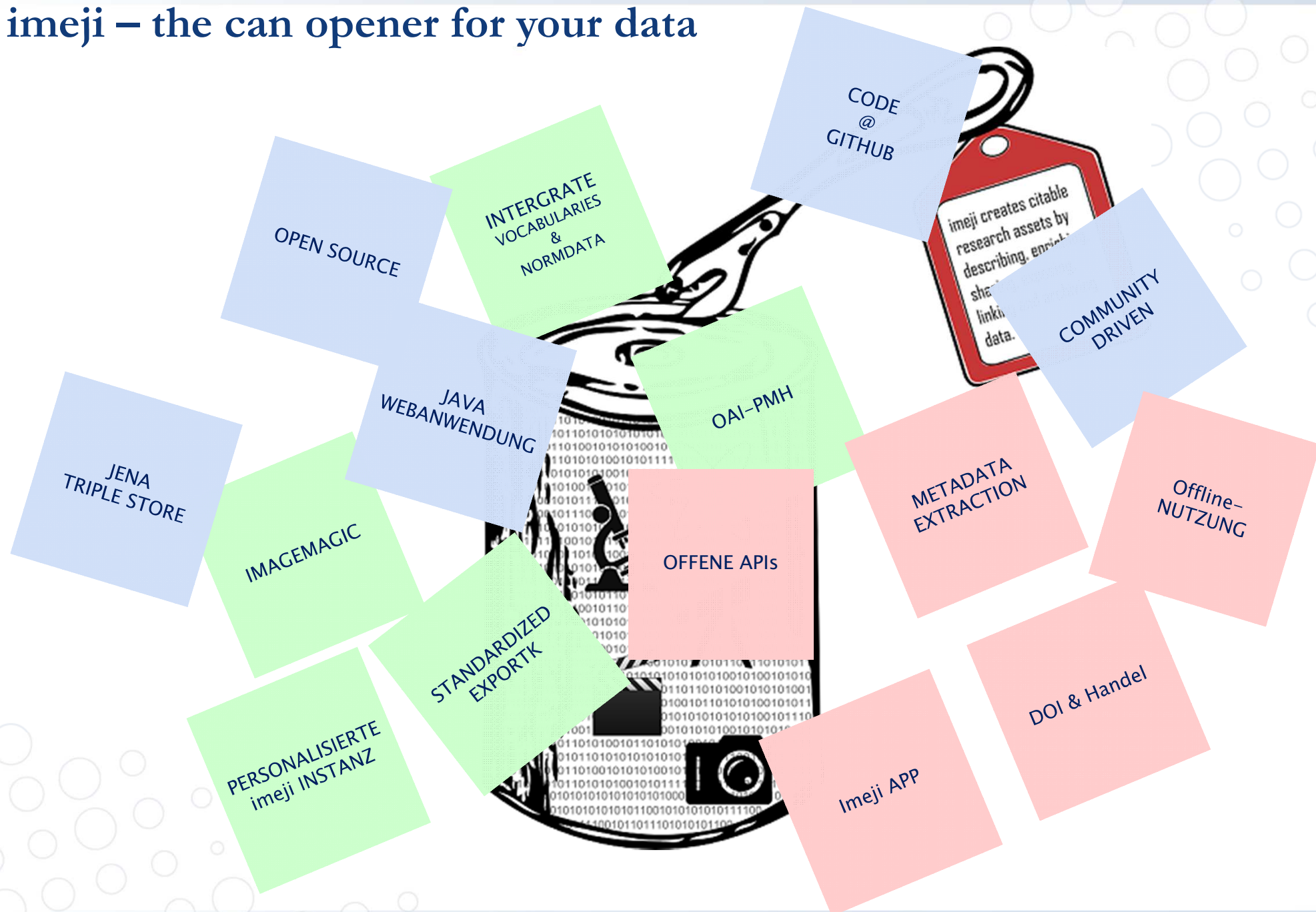
imeji Day 2014

Berlin, 21. Oktober 2014



MAX PLANCK
digital library

imeji – the can opener for your data

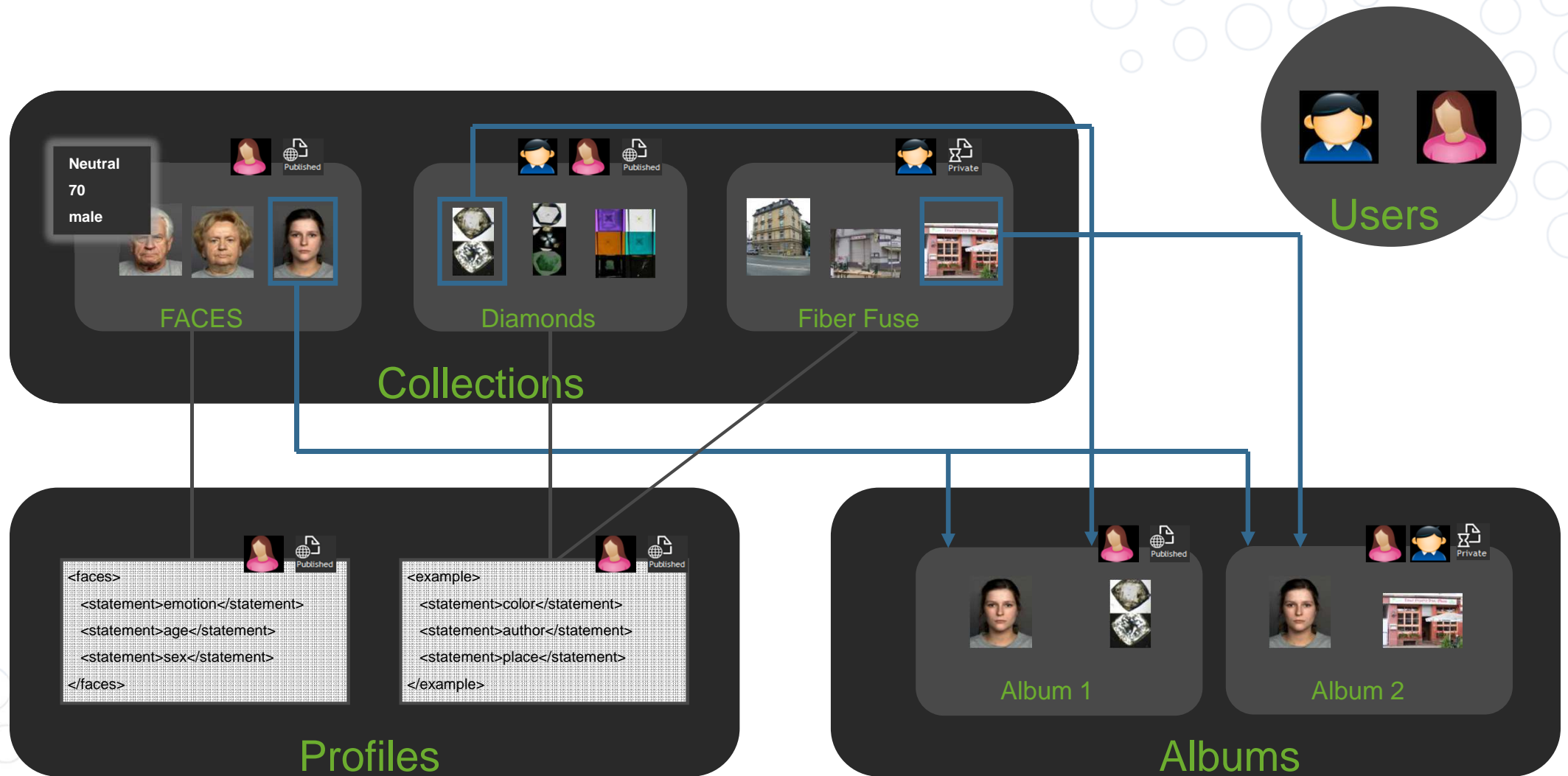




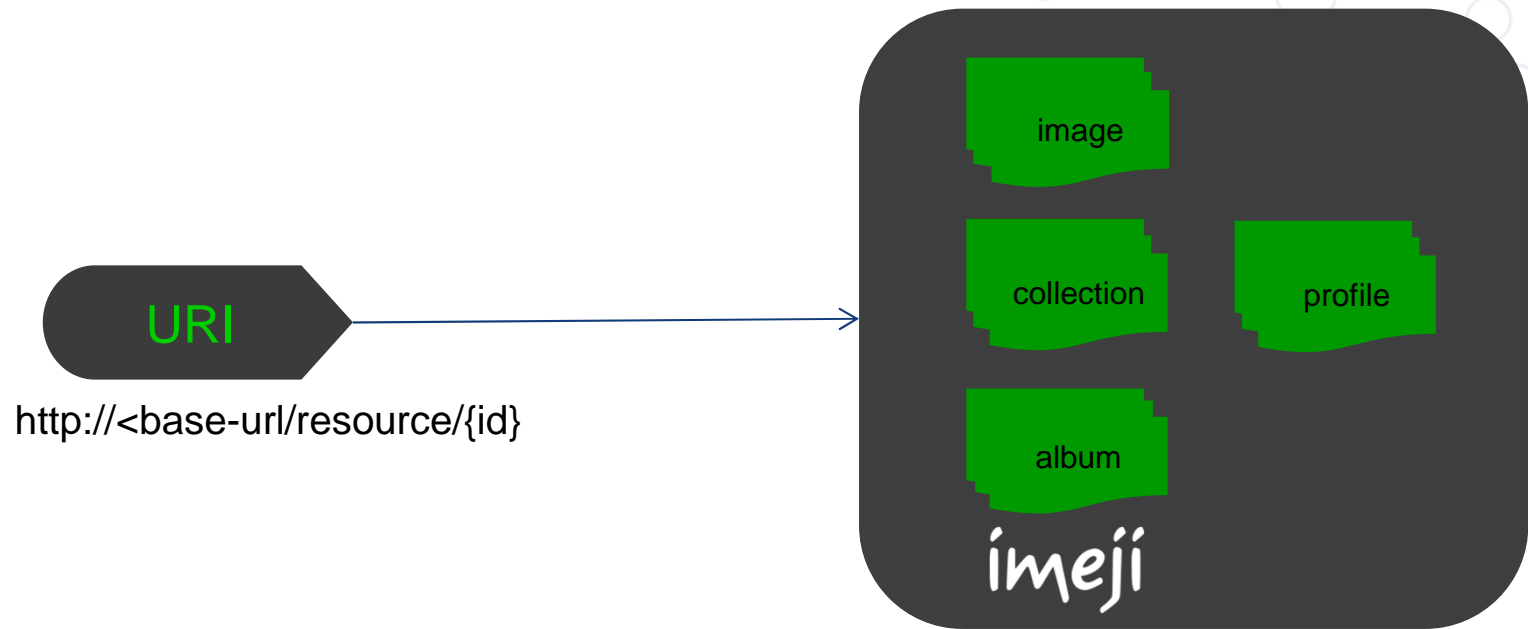
Unsere Motivation für eine *offene* Schnittstelle

- Direktes versenden von Daten von einem „Client“(app/client/Anwendung) zu imeji
- Einfache Integration von imeji Daten in anderen Informationssystemen

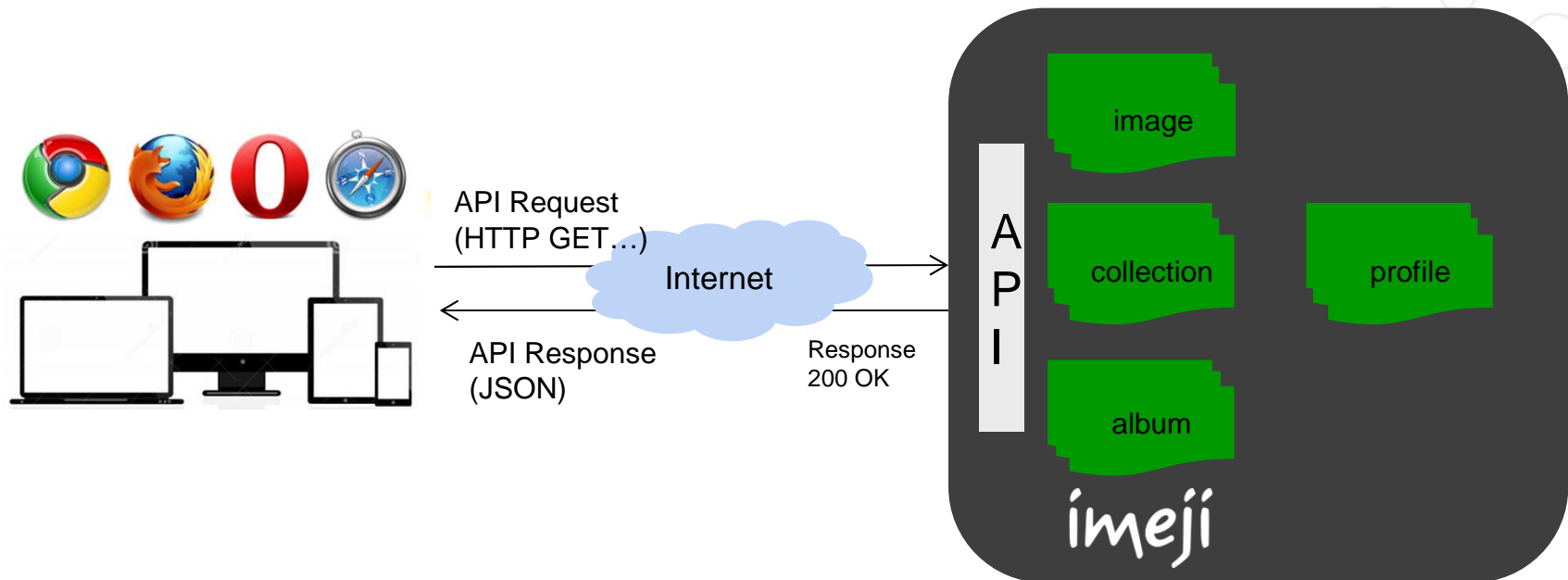
Objekte in imeji



REST-Architektur



Einheitliche Schnittstelle



Sample Code

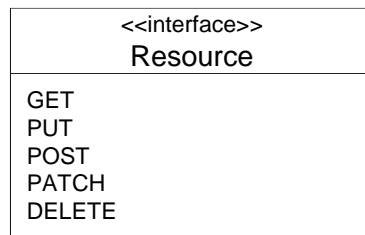
Request example

```
POST /collections HTTP/1.1
Content-Type: application/json
{
  "collections":{
    "title":"Test Title",
    "versionOf": "",
    "description":"Test Description",
    "authors":{
      "author":{
        "family_name":"Müller",
        "given_name":"Max",
        "affiliations":{
          "organization":"Organization1"
        }
      },
      "author":{
        "family_name":"Smith",
        "given_name":"John",
        "affiliations":{
          "organization":"Organization6"
        }
      }
    },
    "metadata_profiles":{
      "uri":"some-uri",
      "copy_or_reference":"copy"
    }
  }
}
```

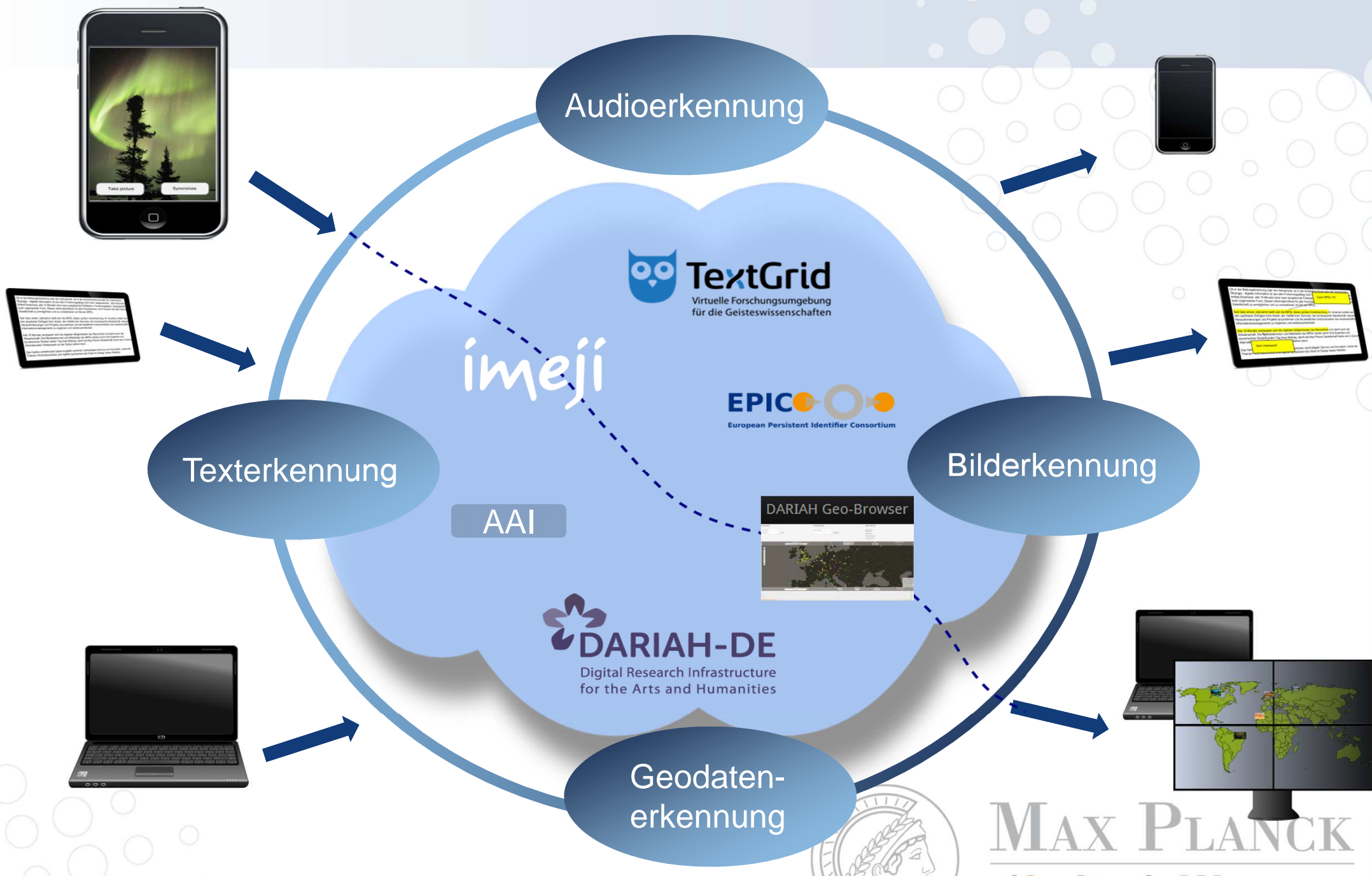
Response example

```
HTTP/1.1 201 Created
{
  "collections":{
    "title":"Test Title",
    "versionOf": "",
    "uri":"xyz",
    "description":"Test Description",
    "authors":{
      "author":{
        "family_name":"Müller",
        "given_name":"Max",
        "affiliations":{
          "organization":"Organization1"
        }
      },
      "author":{
        "family_name":"Smith",
        "given_name":"John",
        "affiliations":{
          "organization":"Organization6"
        }
      }
    },
    "metadata_profiles":{
      "uri":"some-uri"
    }
  }
}
```


API Spezifikation



<u>/collections</u>	GET- list all collecitons POST- creates new collection
<u>/collections/{id}</u>	GET- get collection detail PUT- update the collection DELETE- delete the collection PATCH- update partially
<u>/albums</u>	GET- list all albums POST- creates new ablum
<u>/albums/{id}</u>	GET- get album detail PUT- update the album DELETE- delete the collection PATCH- update partially
<u>/profiles</u>	GET- list all md profiles
<u>/profiles/{id}</u>	GET- retrieve md profile PUT- update md profile PATCH- update partially
<u>/items</u>	GET- retrieve list of items POST- creates new item
<u>/items/{id}</u>	GET- list an item PUT- update PATCH- update partially DELETE- delete item
<u>/search?q=<query></u>	GET - search
<u>/login(out)</u>	POST



Rohdaten generieren

Rohdaten selektieren
und aufarbeiten

Forschungsdaten
"erstellen"

Forschungsdaten
zugänglich machen

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Library

Vielen Dank für Ihre
Aufmerksamkeit!