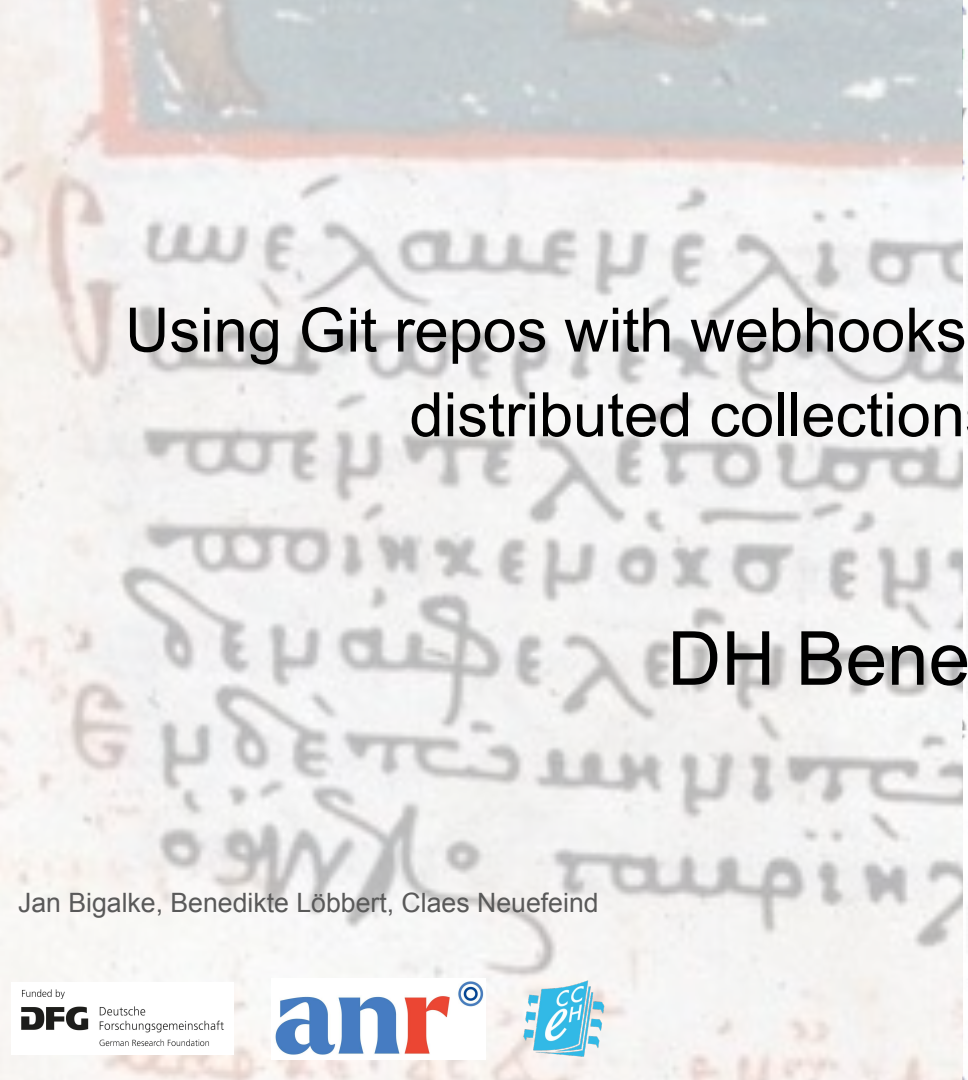

Using Git repos with webhooks in a common search portal for distributed collections of Byzantine seals

DH Benelux 2024

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anr

About

Cologne Center for eHumanities (CCeH)

- Competence center for Digital Humanities at the University of Cologne
- Support for projects with digital components

DFG-ANR-Project: “Unlocking the Hidden Value of Seals: New Methodologies for Historical Research in Byzantine Studies”

- Cooperation project between Dep. for Byzantine Studies in Cologne and Paris.
- Aim: digitization and description of four collections (approx. 4000 Seals)
  - **SigiDoc** as metadata standard for seals
  - Digitize all seals with **RTI**
  - Digital presentation of seals with **EFES**
  - **Webhooks** as a simple solution to combine distributed collections of seals.

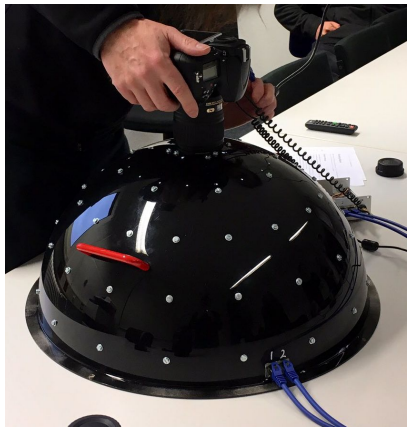
What are Byzantine Seals?

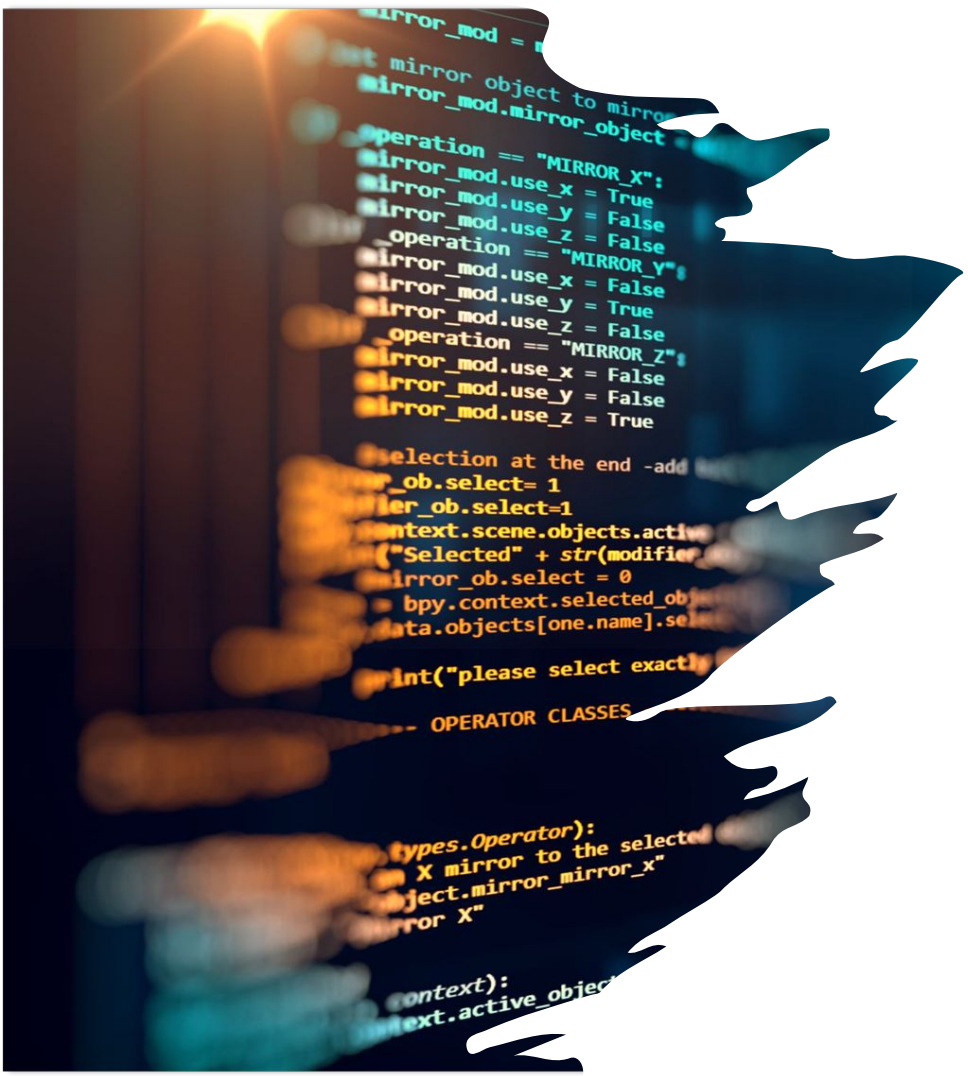
Reflectance Transformation Imaging (RTI)

- Taking **multiple images** of an object from **different lightning angles**
- Process them to produce **interactive “relightable“ images** with a movable virtual light source
- **Enhances details** of the surface structure
- Can **improve legibility** of damaged and corroded seals

RTI

- Fixed array of lights
- Automatic operation
- more precise lighting
- easier to operate
- speed! (2-3 min vs. 15min up to ~1-2 hrs per object)

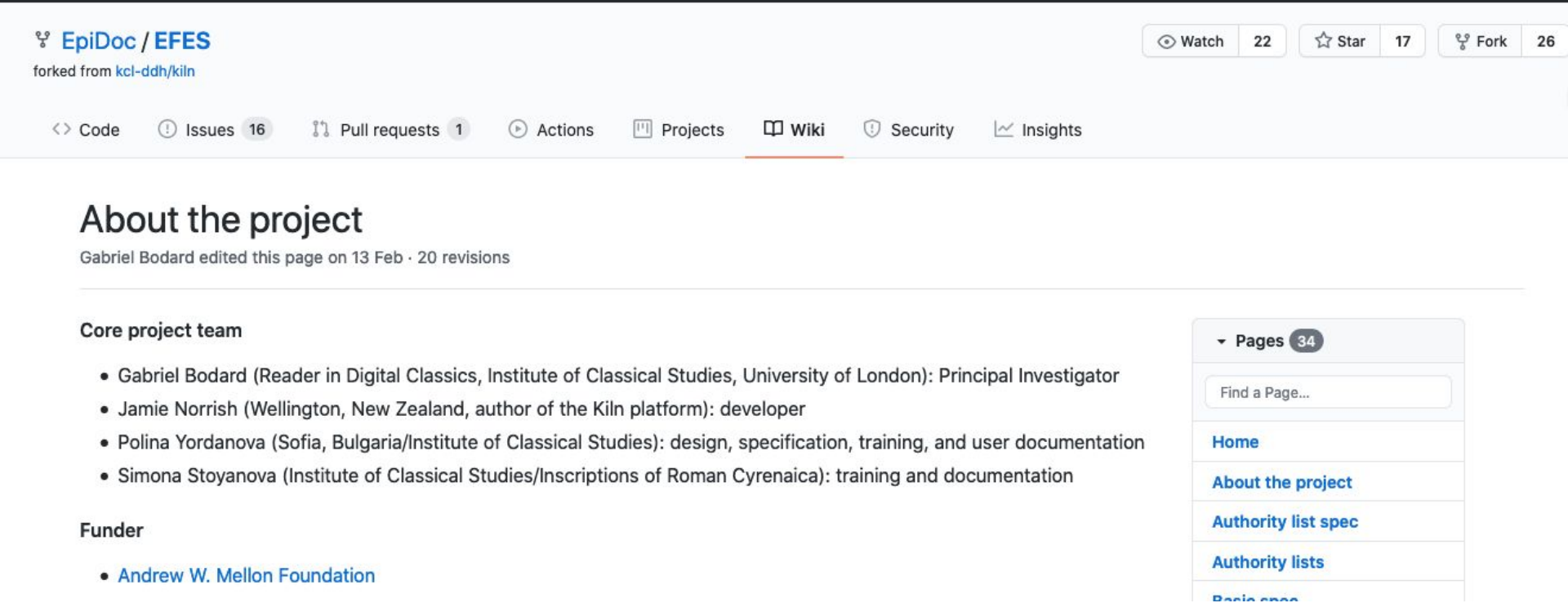




SigiDoc is…

An XML-based & EpiDoc-compliant encoding standard for the digital scholarly edition of Byzantine seals and the digitally enhanced conversion of paper-published editions

EpiDoc Front-End Services (EFES)



https://github.com/EpiDoc/EFES/wiki

XML

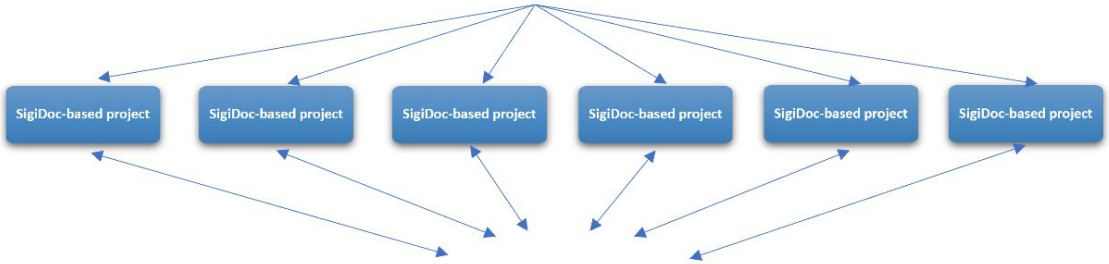
https://tei-c.org/

EpiDoc + EFES + **Specific and original work on sigillographic standards of edition**

https://sourceforge.net/p/epidoc/wiki/Home/

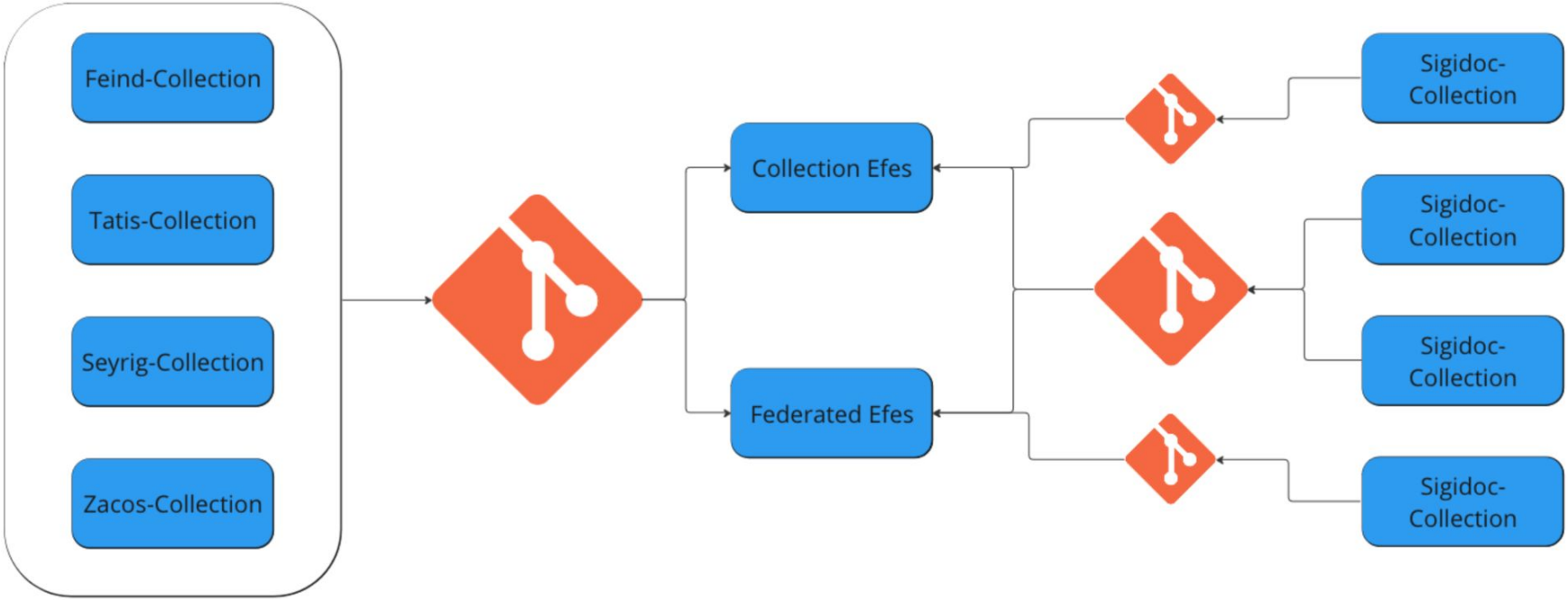
https://github.com/EpiDoc/EFES/wiki

SigiDoc

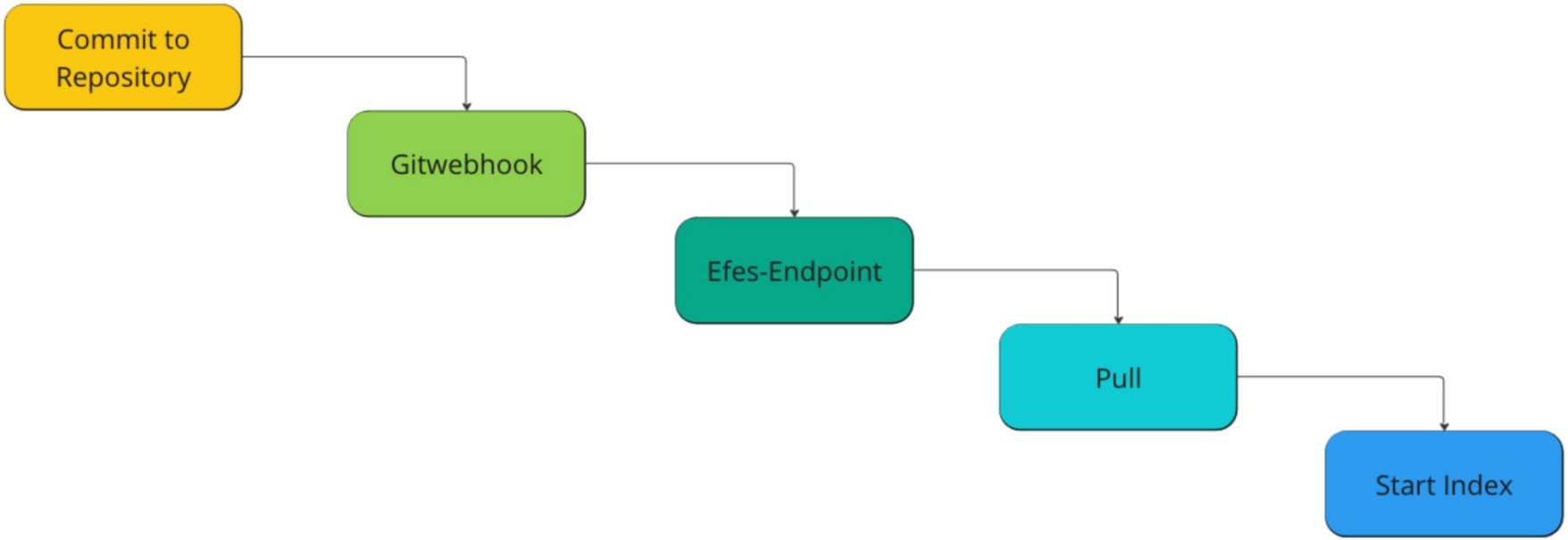


Virtually unified
sigillographic corpus through
common search portal

Infrastructure



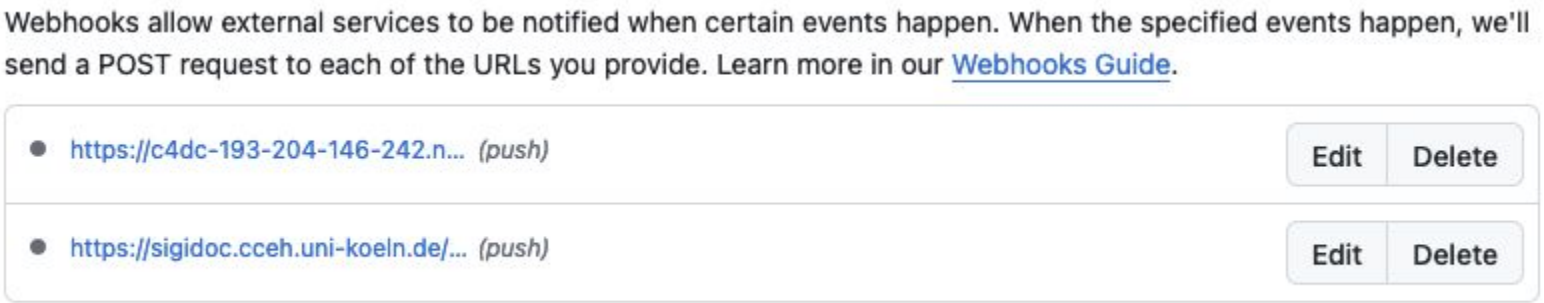
Workflow Webhooks



Requirements

Data must be valid to Sigidoc-Schema

Public Git repository, cloned into the Efes Instance which should be connected with via webhook.



Benefits

Easy way to add collections to federated EFES and to keep it up to date.

Projects/Collections keep full control over their data.

Small collections without own EFES Instance can use federated EFES

And what webhooks can’t do

Complete absence of humans in the workflow.

We have to trust our data contributors.

Thank you!