

OpenFlow

AI-powered search for government process discovery

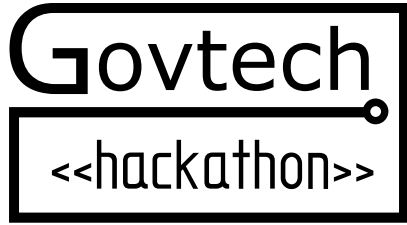


GOVTECH HACKATHON

11. & 12. October 2025

East Side Fab

Saarbrücken

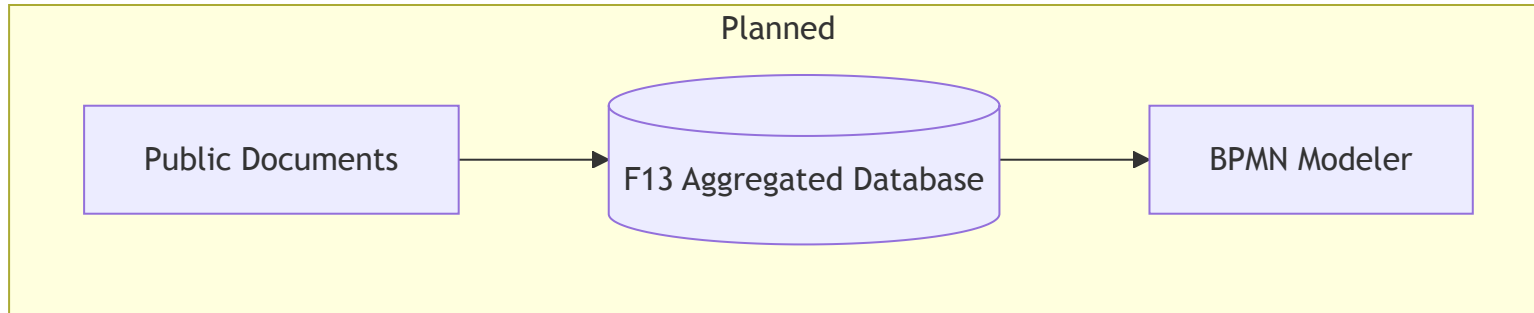


👤 Team of 2: Melanie Schug & Sven Hennessen

F13 AI Platform

Hackathon: Our Briefing

- F13 as Saarland's AI platform for government
- F13 offers semantic search capabilities via RAG service
- Government documents are to be embedded in F13's database
- BPMN processes can be generated based on available information

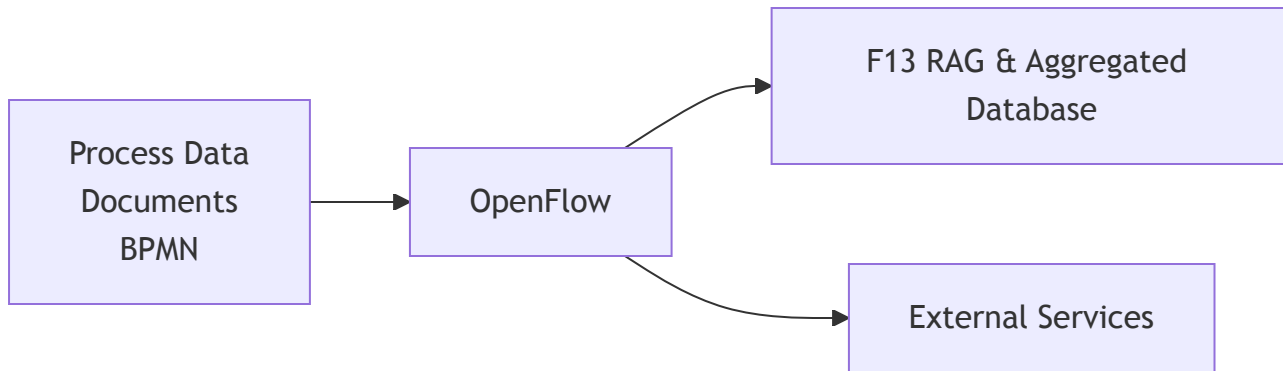


OpenFlow

AI-powered government process discovery

⚠ **Assumption:** F13 is used as central platform for government documents and processes. Information available is embedded in F13 and searchable via RAG.

🗨 **Motivation:** Harmonize redundant processes and break up communication silos across government departments.



Demo








Demo Persona: Sarah, New Employee

"How do I procure software licenses over 25,000 EUR? Do I need a tender process?"

OpenFlow Features

What was shown in the demo?

- 🔍 Natural language search for government processes
-  AI-powered matching via F13 embedding and RAG
-  Rich process metadata (owner, contact, forms, legal basis)
-  BPMN workflow visualization
-  Evidence snippets for transparency
-  Integration with external services

Thank You!

Questions?

 [OpenFlow Demo @ GitHub](#)

Melanie Schug

Ministerium für Wirtschaft, Innovation, Digitales und Energie des Saarlandes

✉ m.schug@wirtschaft.saarland.de

Sven Hennessen

vensas GmbH

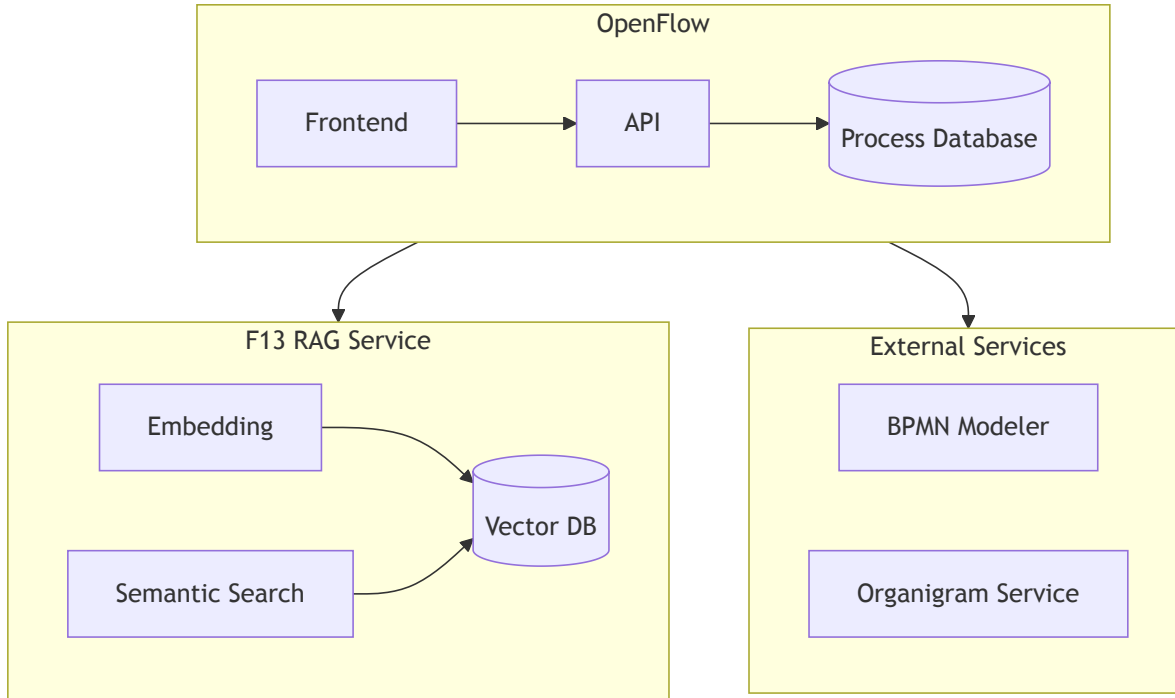
✉ sven.hennessen@vensas.de

☎ [+49 \(0\)681 30984780](tel:+49(0)68130984780)

📍 Halbergstraße 4 - 66121 Saarbrücken

Appendix: OpenFlow Integration 1/2

High-Level Architecture



Appendix: OpenFlow Integration 2/2

Search Integration Flow

