Agentic AI on Premises

Prototyping for Central Banking in a Secure and Self-Sufficient Environment

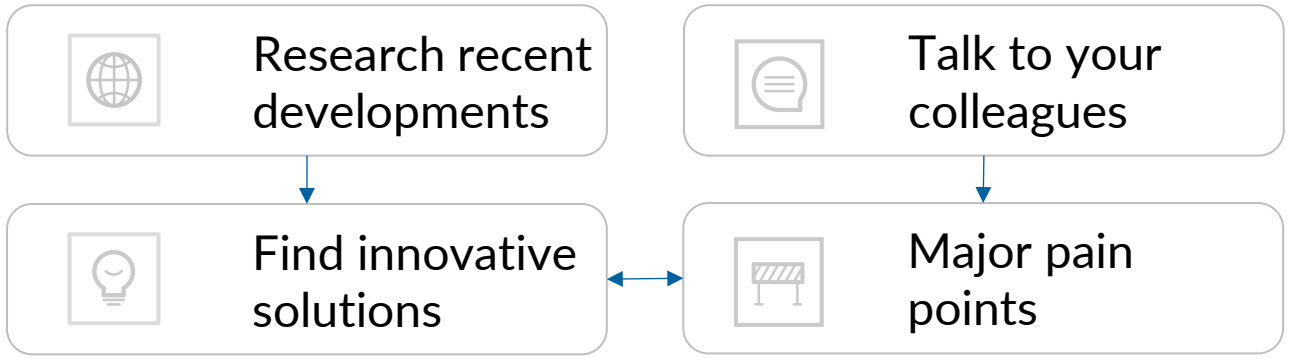
12 November 2026 – BoF-FIN-FSA Seminar: “The Impact of AI on Economy, Finance and Supervision”

Dr. Sebastian Lutterer

THE IMPORTANCE OF PROTOTYPING
WORKSHOPPING INNOVATIVE APPROACHES

LOOK BEFORE YOU LEAP

How do we approach innovation?



- Technical knowhow on developer side meets subject matter expertise
- Designer meets user experience

➔ Ideas need to be tested

➔ Create a Proof-of-Concept (PoC) that contains enough functionality and ease of use to collect user feedback

➔ Asses viability and need, inspire new ways of thinking about the problem

➔ From there, the idea can be developed further until production

ROADBLOCKS
CONSTRAINTS IN PRACTICE

- Use Cases may need restricted data to be tested properly
- The technology is not available internally on a productive platform
- Cloud provider agreements may not extend far enough
- Solutions may be vendor-dependent
- Experimenting with productive systems is problematic



- PoC development technically possible
- Approval process long and concerns many factors
- **Fine** for productive systems, **not** for PoCs

Trade-off:

- Local development requires local ressources (Personnel, Infrastructure)
- The regulation becomes less complex



- Invest time in development rather than regulatory battles
- Show vendor-agnostic solutions
- Work towards digital sovereignty

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SCENARIO: SPEAKER NOTES GENERATION

PoC: ISA – **I**ntelligent **S**peaker notes **A**ssistant

Central Bank representatives are invited to many conferences
➔ Need to know:

- goals of the event (decision, talks, representation)
- the current developments
- expert opinions
- official stance of the participants
- …

➔ Responsible case workers of different directorates-general collaborate to provide notes based on

- Internal communication
- Event history (prior developments)
- Documented background information
- Online research
- …

➔ Objective: Facilitate this task with an AI Agent

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Bitte laden Sie mindestens ein Veranstaltungsdokument hoch oder füllen Sie die Formularfelder (Veranstaltung oder Themen/Agenda) aus, damit der Assistent genügend Kontext hat.

Redner (optional)

Vorstand

Veranstaltung (optional)

z.B. AdC-Sitzung

Zielgruppe/Publikum (optional)

z.B. Mitglieder des Verwaltungsrats

Datum (optional)

TT.MM.JJJJ

Themen/Agenda (optional)

z.B. Digitaler Euro, CBDC Fortschritt

1 **Veranstaltungsdokumente** (mind. 1 erforderlich)
PDF, PNG, JPG - mehrere Dateien möglich

0 ausgewählt + Auswählen

Noch keine Dokumente.

2 **Referenzdokumente** (optional)
PDF, PNG, JPG - mehrere Dateien möglich

0 ausgewählt + Auswählen

Noch keine Dokumente.

3 **Template** (optional, max. 1)

Kein Template ausgewählt + Auswählen

Kein Template ausgewählt.

WORKFLOW SKETCH

ALL ON-PREMISE EXCEPT WEB SEARCH (IN BLUE)

INNO WERK

Inputs

Basics:
- Speaker name and/or position
- Speaker role
- Name of the event
- Main topic or talking points (if known)

Additional information:
- Manual instructions
- Document (set) with background information and other details

Output format:
Notes template
- List of sections (manual input)

Suggest plan of action (sub-topics, etc.)

User interaction

Prompt optimization stages

User interaction

Retrieve information from internal documents

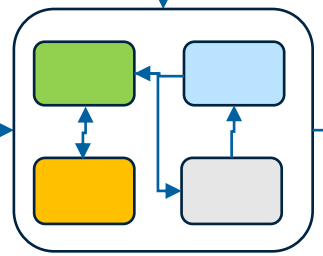
(Optional:) Suggest query for web search

(Optional:) Web search for additional information

Query needs to be sent by user (information control)

Additional security check by llm for policy violation

- Targeted or deep search



Refinement iterations

Generate suggestions for the requested output fields

DOCUMENT RETREAVAL
ALL ON-PREMISE

