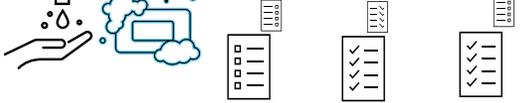
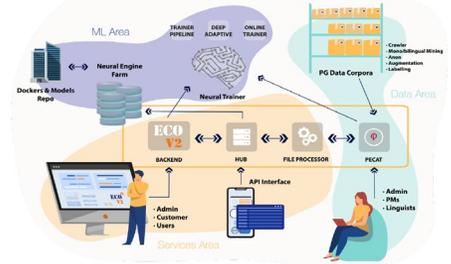


Workflow: From Data to Task-Specific Small Language Model

CLEANSE DOMAIN DATA



PECAT in the Full Pageanic Ecosystem



To cleanse domain data

- Prepare domain data for processing
- Apply governance controls
- (Optional) Anonymize sensitive data

CURATE & LABEL FOR THE TASK



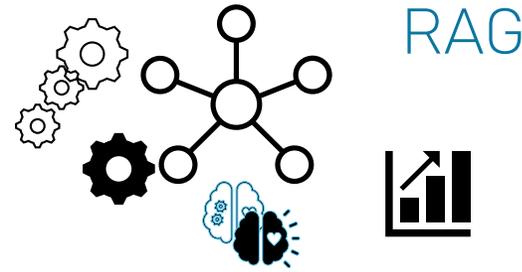
PECAT: annotation, tagging



To curate and label

- Annotate data for specific tasks
- Identify key features
- Tasks: Sentiment / Sensitivity, Probability, Classification, Translation, Summarization, Routing

TRAIN / ADAPT SLM



RAG

```
Python CUR Output (JSON)
import requests
url = "http://prod.pangeamt.com:8080/NexRelay/v1/addglossary"
files = {'file': open('my_glossary.csv', 'rb')}
data = {
    "name": "New Glossary",
    "engineid": 2,
    "apikey": "your-api-key-here"
}
res = requests.post(url, files=files, data=data)
print(res.json())
```

To train and adapt an SLM

- Optimize the model with task-specific data
- Utilize fine-tuning, adapters (LoRA, etc.) RAG integration
- Evaluation harness for metrics

DEPLOY & GOVERN



To deploy and govern

- Launch the SLM into controlled production
- Establish monitoring and controls
- Human-in-the-loop, Observability, Rollback, Versioning (v1, v2...)