



SPRINT 2

MARKUS, LARS, SANDER, ASBJØRN

OVERSIKT

Sprint 1:

Oversikt og klarhet i prosjektet, strategi og slagplan



Sprint 2:

Implementere arbeidsflyten. Fundamental funksjonalitet på plass



Sprint 3:

Fokus på deployment. Docker, kubernetes + user stories

MÅLOPPNÅING FORRIGE SPRINT

- Jira backlog – god endring
- Ferdig implementert arbeidsflyt i prosjektet
 - Fra input av lokasjon → output av TTF

▼ Sprint 2 29 feb. – 5 apr. (6 saker)		0 0 0	Fullfør sprint	...
SCRUM-1	Connect database to data-harvester	FERDIG ▼	-	
SCRUM-2	Create rest API interface	UNDER ARBEI...	-	
SCRUM-33	Make project run with poetry and CI	UNDER ARBEI...	-	
SCRUM-34	Make dummy web application for testing	FERDIG ▼	-	
SCRUM-35	CI- pipeline implementation in GitHub	FERDIG ▼	-	
SCRUM-40	Make API return fireguard risk from database	UNDER ARBEI...	-	

Address to Coordinates

Enter Address:

I. Lokasjon → lat, long

Get Coordinates

latitude: 58.543391

longitude: 11.478889

2. Lat,long → Firerisk

```
compute_now(self, location: Location, obs_delta: datetime.timedelta) -> FireRiskPrediction.
```

3. Lagring

	latitude	longitude	temperature	humidity	wind_speed	timestamp	source
1	60.176484	5.789937	5.6	76	6.1	2024-03-19T06:00:00Z	6.0754011875
2	60.176484	5.789937	6	76.1	6.2	2024-03-19T06:05:00Z	6.049162125
3	60.176484	5.789937	7	76.2	6.3	2024-03-19T06:10:00Z	6.0402751416
4	60.176484	5.789937	5.8	76	6.5	2024-03-19T06:15:00Z	6.0530119895
5	60.176484	5.789937	5.5	76	6.2	2024-03-19T06:20:00Z	6.0480176624
6	60.176484	5.789937	5.4	76.1	6.1	2024-03-19T06:25:00Z	6.0312774745
7	60.176484	5.789937	5	50	4.8	2024-03-19T06:30:00Z	6.0396965212
8	60.176484	5.789937	5	76.1	5.1	2024-03-19T06:35:00Z	6.0567668191
9	60.176484	5.789937	5	76.1	5.2	2024-03-19T06:40:00Z	5.9666279124
10	60.176484	5.789937	5.8	62	6	2024-03-19T06:45:00Z	5.8857790148
11	60.176484	5.789937	6	76.1	5.7	2024-03-19T06:50:00Z	6.0196231166
12	60.176484	5.789937	6	76.1	6.2	2024-03-19T06:55:00Z	6.0503631073
13	60.176484	5.789937	6.2	76	6	2024-03-19T07:00:00Z	6.0663906642
14	60.176484	5.789937	6	76.1	5.7	2024-03-19T07:05:00Z	6.0523495517
15	60.176484	5.789937	6	76.1	5.7	2024-03-19T07:10:00Z	6.1106143882
16	60.176484	5.789937	6.4	76	5.5	2024-03-19T07:15:00Z	6.1123807519
17	60.176484	5.789937	7	76.1	5.7	2024-03-19T07:20:00Z	6.1441261754
18	60.176484	5.789937	7	76.1	6.2	2024-03-19T07:25:00Z	6.1777961
19	60.176484	5.789937	6.8	75	6.8	2024-03-19T07:30:00Z	6.2211111111
20	60.176484	5.789937	7	76.1	7.2	2024-03-19T07:35:00Z	6.2211111111

4. Return

Address to Coordinates

Enter Address:

Get Coordinates

latitude: 58.543391

longitude: 11.478889

Risk: High

KVAR ER VI NO?

DATABASE:

- Primary keys
- Videre mulighet for å hente tidsavhengig informasjon











	<small>123</small> latitude	<small>123</small> longitude	<small>123</small> temperature	<small>123</small> humidity	<small>123</small> wind_speed	<small>AB5</small> timestamp	<small>123</small> firerisk
1	60.296484	5.290907	5.6	79	6.1	2024-03-19T00:00:00Z	6.0724811672
2	60.296484	5.290907	6	[NULL]	6.2	2024-03-19T00:20:00Z	6.044163123
3	60.296484	5.290907	[NULL]	[NULL]	6.7	2024-03-19T00:50:00Z	6.0432751415
4	60.296484	5.290907	5.8	78	6.5	2024-03-19T01:00:00Z	6.0520108995
5	60.296484	5.290907	[NULL]	[NULL]	6.2	2024-03-19T01:20:00Z	6.0480736026
6	60.296484	5.290907	[NULL]	[NULL]	4.1	2024-03-19T01:50:00Z	6.0312738745
7	60.296484	5.290907	5	92	4.6	2024-03-19T02:00:00Z	6.0286085272
8	60.296484	5.290907	5	[NULL]	5.1	2024-03-19T02:20:00Z	6.0002988101
9	60.296484	5.290907	6	[NULL]	5.7	2024-03-19T02:50:00Z	5.9848629133
10	60.296484	5.290907	5.8	82	6	2024-03-19T03:00:00Z	5.9897796518
11	60.296484	5.290907	6	[NULL]	5.7	2024-03-19T03:20:00Z	6.0188233168
12	60.296484	5.290907	6	[NULL]	6.2	2024-03-19T03:50:00Z	6.0565651972
13	60.296484	5.290907	6.2	78	6	2024-03-19T04:00:00Z	6.0683490642
14	60.296484	5.290907	6	[NULL]	5.7	2024-03-19T04:20:00Z	6.0833490937
15	60.296484	5.290907	6	[NULL]	5.7	2024-03-19T04:50:00Z	6.1168143682
16	60.296484	5.290907	6.4	76	5.5	2024-03-19T05:00:00Z	6.1312807519
17	60.296484	5.290907	7	[NULL]	5.7	2024-03-19T05:20:00Z	6.1441267759
18	60.296484	5.290907	7	[NULL]	6.2	2024-03-19T05:50:00Z	6.1711663437
19	60.296484	5.290907	6.9	71	6.8	2024-03-19T06:00:00Z	6.2014740792
20	60.296484	5.290907	7	[NULL]	7.2	2024-03-19T06:20:00Z	6.2459137927
21	60.296484	5.290907	7	[NULL]	8.2	2024-03-19T06:50:00Z	6.2705100045

KVAR ER VI NO?

- CI pipeline satt opp
 - Ingen integration test
- Environment secrets i GitHub
 - gitignore

build

failed 32 minutes ago in 36s

- >  Set up job
- >  Run actions/checkout@v3
- >  Set up Python 3.12
- >  Install Poetry
- >  Install dependencies
- >  Unit Test with pytest
- >  Integration Test with pytest
 -  Post Set up Python 3.12
- >  Post Run actions/checkout@v3
- >  Complete job

runs-on: ubuntu-latest

steps:

- uses: actions/checkout@v3
- name: Set up Python 3.12
 - uses: actions/setup-python@v3
 - with:
 - python-version: "3.12"
- name: Install Poetry
 - run: |
 - python -m pip install --upgrade pip
 - pip install --user pipx
 - pipx install poetry
 - pip uninstall decouple
 - pip install python-decouple
- name: Install dependencies
 - run: |
 - poetry install
- name: Unit Test with pytest
 - env:
 - MET_CLIENT_ID: \${ secrets.MET_CLIENT_ID }
 - MET_CLIENT_SECRET: \${ secrets.MET_CLIENT_SECRET }
 - run: |
 - poetry run pytest tests
- name: Integration Test with pytest
 - env:
 - MET_CLIENT_ID: \${ secrets.MET_CLIENT_ID }
 - MET_CLIENT_SECRET: \${ secrets.MET_CLIENT_SECRET }
 - run: |
 - poetry run pytest integ_tests

AGIL UTVIKLING

- Scrummøter stort sett onsdag og torsdag
- Fordeling/plukking av oppgaver
- Arbeid mot eit felles mål med kontinuerlig samkøyring

SCRUM PROCESS



NESTE SPRINT:

- Fokusområde:
 - Docker containers
 - Kubernetes orkestrering
- Fortsette backlog i Jira
- Mulighet for flere user stories og utviding av tenesta

▼ Sprint 3 Legg til datoer (6 saker)		0 0 0	Start sprint	...
SCRUM-32	Logic for api request. New MET-request or get values from...	GJØREMÅL ▼	-	
SCRUM-3	Create authenticator	UNDER ARBEI...	-	
SCRUM-36	Run project in docker containers	GJØREMÅL ▼	-	
SCRUM-37	Run project through kubernetes	GJØREMÅL ▼	-	
SCRUM-38	Creating .yaml files docker	GJØREMÅL ▼	-	
SCRUM-39	Create .yaml files for kubernetes	GJØREMÅL ▼	-	