## Project Information

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<tr>
<td><strong>SPM-RS</strong></td>
<td><strong>Grant agreement ID:</strong></td>
<td><strong>DOI</strong></td>
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<td></td>
<td><strong>895406</strong></td>
<td><strong>10.3030/895406</strong></td>
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<tr>
<td><strong>Funded under</strong></td>
<td><strong>EXCELLENT SCIENCE -</strong></td>
<td><strong>Total cost</strong></td>
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<tr>
<td></td>
<td><strong>Marie Skłodowska-Curie</strong></td>
<td><strong>€ 202 158,72</strong></td>
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<tr>
<td><strong>Actions</strong></td>
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<td><strong>EU contribution</strong></td>
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<tr>
<td><strong>Project terminated</strong></td>
<td><strong>on 22 September 2021</strong></td>
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<tr>
<td><strong>Start date</strong></td>
<td><strong>15 September 2021</strong></td>
<td><strong>End date</strong></td>
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<td><strong>14 September 2023</strong></td>
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<td><strong>Coordinated by</strong></td>
<td><strong>NORGES TEKNISKT</strong></td>
<td><strong>NATURVITENSKAPELIGE</strong></td>
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<td><strong>UNIVERSITET NTNU</strong></td>
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## Project description

**New technology to improve efficiency of reservoir simulation performances**

Oil reservoirs require advanced techniques to recover oil. Recovery from hydrocarbon reservoirs requires three steps: the first results from the internal reservoir energy, the second involves the injection of water or gas to support the pressure, and the third is the process to extract the non-recovered oil. Reservoir simulations are usually executed to assess the performance of the applied methods. However, these simulations are time-consuming as several runs are required to achieve optimal results. The EU-funded SPM-RS project will develop an innovative
strategy to create user-friendly smart proxy models for significantly reducing the runtime in reservoir simulation performances. The project will combine advanced methods including statistics, optimisation and data-driven techniques.

**Fields of science**

- natural sciences > computer and information sciences > data science
- engineering and technology > environmental engineering > energy and fuels > renewable energy
- natural sciences > chemical sciences > organic chemistry > hydrocarbons

**Keywords**

- Reservoir simulation
- Optimization
- Data-driven techniques
- Smart proxy
- Enhanced recovery

**Programme(s)**

- H2020-EU.1.3. - EXCELLENT SCIENCE - Marie Skłodowska-Curie Actions
- H2020-EU.1.3.2. - Nurturing excellence by means of cross-border and cross-sector mobility

**Topic(s)**

- MSCA-IF-2019 - Individual Fellowships

**Call for proposal**

- H2020-MSCA-IF-2019

See other projects for this call

**Funding Scheme**

- MSCA-IF - Marie Skłodowska-Curie Individual Fellowships (IF)

**Coordinator**

2 of 3
NORGES TEKNISK-NATURVITENSKAPELIGE UNIVERSITET NTNU

Net EU contribution
€ 202 158,72

Address
Hogskoleringen 1
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Norway

Region
Norge > Trøndelag > Trøndelag

Links
Contact the organisation  Website  Participation in EU R&I programmes  HORIZON collaboration network

Other funding
€ 0,00

**EC signature date** 28 April 2020
**Last update:** 24 July 2023

**Permalink:** https://cordis.europa.eu/project/id/895406

European Union, 2023