## **Oppdatert fremdriftsplan**

Fra 04/04/2022 Til 06/06/2022

04/04/22

|            |   |            |            |          | 04/04       | .,      |       |         |     |        |     |    |         |    |       |     |     |   |     |    |       |       |    |   |       |   |    |       |     |
|------------|---|------------|------------|----------|-------------|---------|-------|---------|-----|--------|-----|----|---------|----|-------|-----|-----|---|-----|----|-------|-------|----|---|-------|---|----|-------|-----|
|            |   |            |            |          |             | V       |       |         |     |        |     |    |         |    |       |     |     |   |     |    |       |       |    |   |       |   |    |       |     |
|            |   |            |            |          | PCT OF TASK |         |       |         |     |        |     |    |         |    |       |     |     |   |     |    |       |       |    |   |       |   |    |       |     |
| WBS NUMBER | TASK TITLE  | START DATE | DUE DATE   | DURATION | COMPLETE    | WEEK 14 | _     | WEEK 15 |     | WEEK 1 | _   |    | WEEK 17 |    |       |     |     |   |     |    |       | EK 20 |    | _ | EK 21 |   | _  | EK 22 | EEK |
|            |   |            |            |          |             | M T W R | F M T | WR      | F M | TW     | R F | МТ | WR      | FN | 4 T \ | W R | F M | Т | W R | FN | 1   T | WR    | FM | T | WR    | F | ИΤ | WR    | FM  |
| 1          | Code  |            |            |          |             |         |       |         |     |        |     |    |         |    |       |     |     |   |     |    |       |       |    |   |       |   |    |       |     |
| 1.1        | Dynamic Constraints   | 04/04/2022 |            | 4        | 20%         |         |       |         |     |        |     |    |         |    |       |     |     |   |     |    |       |       |    |   |       |   |    |       |     |
| 1.2        | Static Obs solution   | 04/04/2022 |            | 11       | 0%          |         |       |         |     |        |     |    |         |    |       |     |     |   |     |    |       |       |    |   |       |   |    |       |     |
| 1.3        | Dynamic Horizon limits  | 04/04/2022 |            | 4        | 70%         |         |       |         |     |        |     |    |         |    |       |     |     |   |     |    |       |       |    |   |       |   |    |       |     |
| 1.4        | Velocity Vectors for TS                                       | 04/04/2022 |            | 4        | 30%         |         |       |         |     |        |     |    |         |    |       |     |     |   |     |    |       |       |    |   |       |   |    |       |     |
| 1.5        | Optimize Runtime  | 04/04/2022 |            | 11       | 0%          |         |       |         |     |        |     |    |         |    |       |     |     |   |     |    |       |       |    |   |       |   |    |       |     |
| 1.6        | Cost Function   | 04/04/2022 | 08/04/2022 | 4        | 40%         |         |       |         |     |        |     |    |         |    |       |     |     |   |     |    |       |       |    |   |       |   |    |       |     |
| 1.7        | Variable Velocity Reference? Or<br>Variable Cost Function?    | 04/04/2022 | 15/04/2022 | 11       | 0%          | _       |       |         |     |        |     |    |         |    |       |     |     |   |     |    |       |       |    |   |       |   |    |       |     |
| 1.8        | Bug Squash  | 04/04/2022 | 15/04/2022 | 11       | 1%          |         |       |         |     |        |     |    |         |    |       |     |     |   |     |    |       |       |    |   |       |   |    |       |     |
| 2          | Sims  |            |            |          |             |         |       |         |     |        |     |    |         |    |       |     |     |   |     |    |       |       |    |   |       |   |    |       |     |
| 2.1        | Create Sim Files  | 04/04/2022 | 17/04/2022 | 13       | 10%         |         |       |         |     |        |     |    |         |    |       |     |     |   |     |    |       |       |    |   |       |   |    |       |     |
| 2.2        | Sims with limited line of sight and no TS Prediction          | 17/04/2022 | 30/04/2022 | 13       | 0%          |         |       |         |     |        |     |    |         |    |       |     |     |   |     |    |       |       |    |   |       |   |    |       |     |
| 2.3        | Sims with Line of Sight and no TS prediction                  | 17/04/2022 | 27/04/2022 | 10       | 0%          |         |       |         |     |        |     |    |         |    |       |     |     |   |     |    |       |       |    |   |       |   |    |       |     |
| 2.4        | Sims with line of sight and TS prediction                     | 17/04/2022 | 27/04/2022 | 10       | 0%          |         |       |         |     |        |     |    |         |    |       |     |     |   |     |    |       |       |    |   |       |   |    |       |     |
| 2.5        | Sims where all vessels use the same algorithm?                | 17/04/2022 | 30/04/2022 | 13       | 0%          |         |       |         |     |        |     |    |         |    |       |     |     |   |     |    |       |       |    |   |       |   |    |       |     |
| 3          | Research and Admin  |            |            |          |             |         |       |         |     |        |     |    |         |    |       |     |     |   |     |    |       |       |    |   |       |   |    |       |     |
| 3.1        | Read 20 articles  | 04/04/2022 | 11/05/2022 | 37       | 10%         |         |       |         |     |        |     |    |         |    |       |     |     |   |     |    |       |       |    |   |       |   |    |       |     |
| 3.2        | Find Someone to compare results with                          | 04/04/2022 | 11/05/2022 | 37       | 0%          |         |       |         |     |        |     |    |         |    |       |     |     |   |     |    |       |       |    |   |       |   |    |       |     |
| 3.3        | Design performance criteria for Full<br>Scale Test            | 17/04/2022 | 15/05/2022 | 28       | 0%          |         |       |         |     |        |     |    |         |    |       |     |     |   |     |    |       |       |    |   |       |   |    |       |     |
| 3.4        | Design performance criteria for<br>Simulations                | 04/04/2022 | 17/04/2022 | 13       | 0%          |         |       |         |     |        |     |    |         |    |       |     |     |   |     |    |       |       |    |   |       |   |    |       |     |
| 3.5        | Schedule Full Scale test                                      | 04/04/2022 | 15/05/2022 | 41       | 0%          |         |       |         |     |        |     |    |         |    |       |     |     |   |     |    |       |       |    |   |       |   |    |       |     |
| 3.6        | Run Full scale test   | 15/05/2022 | 22/05/2022 | 7        | 0%          |         |       |         |     |        |     |    |         |    |       |     |     |   |     |    |       |       |    |   |       |   |    |       |     |
| 4          | Writing   |            |            |          |             |         |       |         |     |        |     |    |         |    |       |     |     |   |     |    |       |       |    |   |       |   |    |       |     |
| 4.1        | Introduction  | 04/04/2022 | 06/06/2022 | 62       | 1%          |         |       |         |     |        |     |    |         |    |       |     |     |   |     |    |       |       |    |   |       |   |    |       |     |
| 4.2        | Background  | 04/04/2022 | 06/06/2022 | 62       | 10%         |         |       |         |     |        |     |    |         |    |       |     |     |   |     |    |       |       |    |   |       |   |    |       |     |
| 4.3        | Method  | 11/04/2022 | 06/06/2022 | 55       | 1%          |         |       |         |     |        |     |    |         |    |       |     |     |   |     |    |       |       |    |   |       |   |    |       |     |
| 4.4        | Simulation Results  | 18/04/2022 | 06/06/2022 | 48       | 0%          |         |       |         |     |        |     |    |         |    |       |     |     |   |     |    |       |       |    |   |       |   |    |       |     |
| 4.5        | Full Scale tests  | 09/05/2022 | 06/06/2022 | 27       | 0%          |         |       |         |     |        |     |    |         |    |       |     |     |   |     |    |       |       |    |   |       |   |    |       |     |
| 4.6        | Discussion & Conclusion                                       | 25/04/2022 | 06/06/2022 | 41       | 1%          |         |       |         |     |        |     |    |         |    |       |     |     |   |     |    |       |       |    |   |       |   |    |       |     |
| 4.7        | Abstract and Foreword   | 23/05/2022 | 06/06/2022 | 13       | 1%          |         |       |         |     |        |     |    |         |    |       |     |     |   |     |    |       |       |    |   |       |   |    |       |     |
| 4.8        | Figures, Tables, code inserts and<br>Equations check/cleanup. | 23/05/2022 | 06/06/2022 | 13       | 1%          |         |       |         |     |        |     |    |         |    |       |     |     |   |     |    |       |       |    |   |       |   |    |       |     |