

| Task                             | Year 1       |  |  |  |  |  |             |  |  |  |  |  | Year 2       |  |  |  |  |  |  |  |  |  |  |  | Year 3      |  |  |  |  |  |  |  |  |  |  |  | Year 4 |  |  |  |  |  |  |  |  |  |  |  |
|----------------------------------|--------------|--|--|--|--|--|-------------|--|--|--|--|--|--------------|--|--|--|--|--|--|--|--|--|--|--|-------------|--|--|--|--|--|--|--|--|--|--|--|--------|--|--|--|--|--|--|--|--|--|--|--|
| 1. Data Collection               | [Light Blue] |  |  |  |  |  |             |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |
| Objective 1                      |              |  |  |  |  |  |             |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |
| 2. Baseline + self-supervision   | [Light Blue] |  |  |  |  |  |             |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |
| 3. Contrastive losses for segm.  |              |  |  |  |  |  | [Dark Blue] |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |
| Objective 2                      |              |  |  |  |  |  |             |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |
| 4. Use of shape priors           |              |  |  |  |  |  |             |  |  |  |  |  | [Light Blue] |  |  |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |
| 5. Use of branch-like structures |              |  |  |  |  |  |             |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  | [Dark Blue] |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |
| Thesis Writing                   |              |  |  |  |  |  |             |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  | [Grey] |  |  |  |  |  |  |  |  |  |  |  |