**Arctic SDI**

**WMS Working** **Group**

**Activity Plan**

1. Update specification for the national Web Map Services (WMS)
   * Make adjustments according to inputs from NMAs
   * Make adjustment according to the ELF specification
2. Create specifications for the overview WMS spanning 1:500K ~ 1:100M
   * Base scales 1:1M, 1:10M and 1:50M
   * Create 1:1M spec in a simplified version, until work on national 1:1M services can be started
   * Define data sources
   * Define map themes / layers
   * Define scale levels
3. Create specification for the cascading WMS
   * Decide on cascading strategy
4. Create specification for the Map Cache including the Map Cache service (WMTS)
   * Decide on tiling scheme / number of cached levels and corresponding scales
   * Define strategy for map cache tile generating and updating
5. Set up the overview WMS
   * Create data repository / database
   * Download external data
   * Pre-process and store data
   * Review cartography at different scales
6. Set up the cascading WMS
   * Assemble national Web Map Services and overview services
7. Set up the Map Cache service (WMTS)
   * Performance testing
8. Specification and service maintenance
   * Make adjustments according to inputs from NMAs
   * Make adjustments according to inputs from user groups
9. Prepare for the next phase / version
   * Add new services, data and improved functionality

**Estimated time schedule**

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| **Milestone** | **Activity** | **Date** |
| Overview map spec | * Specification covering 1:500K ~ 1:100M * Base scales 1:1M, 1:10M and 1:50M | May 23rd |
| WMS setup | * Overview WMS (1:500K – 1:100M) * Cascading WMS (1:250K) * Map cache service (WMTS) * Service availability for the Geoportal Group | May 26th    May 30th |
| Internal testing and updating | * Specifications updates * Service updates * Bug fixes | May 30th - June 10th |
| Release version 0.9 | * Available at the INSPIRE conference, Ålborg | June 16th |
| Adjustments based on internal and external feedback | * Specifications updates * Service updates * Bug fixes | June 16th - August 21st |
| Release version 1.0 | * Cached service fully available | August 22nd |
| Work on next release | * Improvements and additions | August 22nd – TBD |
| Release version 1.0 |  | TBD |