**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 |