

Key Milestones, deliverables and timeline

Over the lifetime of this 5-year plan, SOOS plans to deliver the following outcomes/outputs

		Additional Information	Implementers	Proposed Start	Proposed Delivery	Dependencies	Contribution to KRAs
#	Objective 1: Facilitate the design of a comprehensive and multi-disciplinary observing system for the Southern Ocean						
1	Published table of status of EOVs		SSC, Regional working groups, Capability Working Groups, broad community input	2017	2018		1.1; 1.2
2	Published, internationally defined criteria for EOVs		SSC, Regional working groups, Capability Working Groups, broad community input	2017	2018	#1	1.1
3	Compiled EOV descriptions and supporting documentation		SSC, Regional working groups, Capability Working Groups, broad community input	2018	2018	#2	1.1; 1.2; 1.3
4	Development of 5 international networks for regional coordination of SOOS implementation (Regional Working Groups)	Each regional working group will have group-specific products and outputs	Broad national, disciplinary and programmatic involvement	2016	2018		1.3; 1.4; 2.1; 2.3
5	Reviews of current status of EOV coverage, key gaps and requirements	Involves several workshops	Conducted regionally, by Regional Working Groups	2017	2019	#4	1.3
6	5 Regional implementation strategies		Regional working groups, Capability Working Groups, international field programs	2019	2020	#5	1.3; 1.4
31	Report identifying core satellite data requirements for the Southern Ocean		Designated SOOS Task Team, broad community input	2015	2016		2.2; 4.1
7	International strategic plan for observing the ocean beneath Antarctic sea ice and ice shelves	Other products/outcomes as a result of this working group are defined here	Capability working group, broad community input	2017	2019		1.3; 2.1
8	Coordinated network to enhance Southern Ocean flux observations	Specific products resulting from this coordinated network can be found here	Capability working group, broad community input	2016	2020		1.3; 2.1
9	International standards, methodology and strategy for sustained and reliable remote sensing-based monitoring of pack-ice-seal populations	Details on these products can be found here	Capability working group	2016	2020		1.3; 2.1
10	Development of international initiative to Benchmark Southern Ocean ecosystems, including implementation of eEOV-based system design	Specific products resulting from this initiative will be defined in the working group TORs and made available on the SOOS website	Capability working group	2016	2022		1.2; 1.3; 2.1
#	Objective 2: Unify and enhance current observation efforts and leverage further resources across disciplines, and between nations and programs						
11	Database of Upcoming Expeditions to the Southern Ocean	www.duesouth.soos.ag http://data.aad.gov.au/duesouth/	IPO, DMSC, broad community engagement	2015	2017		2.2; 3.3
12	SOOS Map		IPO, DMSC, JCOMMOPS, EMODnet Physics, broad community	2016	2018		2.2; 3.3
13	Community annual calendar		IPO	2017	2017		2.2
14	Capability and Regional Working Group workshops	Each working group will likely hold a workshop/meeting each year, either virtually or in-person	Working Group members and broader community, IPO and SSC as required	As needed			2.1; 2.3
15	Capacity- or community-building workshops	Different to working group workshops, these events will focus on enhancing connections or building capacity in a specific aspect of SOOS (e.g., SOOS-Asian Workshop 2013; SOOS-SOCCOM joint workshop 2016; SOOS-AWI Symposium 2017)	Specific community focus but generally open to all	As needed			2.3
16	International conference sessions, town-halls, side meetings, information sessions		SSC, IPO, Regional working groups, Capability Working Groups	As needed			2.3; 4.1; 4.4

#	Objective 3: Facilitate linking of sustained long-term observations to provide a system of enhanced data discovery and delivery, utilising existing data centres and programmatic efforts combined with, as needed, purpose-built data management and storage systems						
17	Metadata Portal (NASA GCMD)	http://gcmd.nasa.gov/portals/soos/	IPO, DMSC, SCADM	2014	Ongoing		3.1
18	International Mooring Network	<ul style="list-style-type: none"> - Up-to-date list and interactive web-map of all Southern Ocean moorings http://www.soos.aq/activities/soos-at-sea/moorings - Registration of all mooring platforms at JCOMMOPS - Potential development of a THREDDS server to allow straightforward subsetting and merging of mooring datasets (not yet resourced) 	IPO, DMSC	2015	2017		2.2; 3.1
19	Orphan data rescue	<ul style="list-style-type: none"> - International mooring data rescue - International glider data rescue 	IPO, DMSC, GliderDAC, OceanSITES, other communities as required	2016	2020		3.1
20	Southern Ocean Glider Network	<ul style="list-style-type: none"> - Up-to-date list and interactive web-map of all Southern Ocean glider deployments and tracks - Registration of all glider platforms at JCOMMOPS 	IPO, DMSC, GliderDAC,	2018	2020		2.2; 3.1
21	NECKLACE data management policy	- A data management policy is agreed by the NECKLACE community and documented by the IPO	IPO, NECKLACE community, DMSC	2016	2017		2.2; 3.1
22	Up-to-date catalogue of Southern Ocean data providers	- A list of data providers is published on the SOOS website and kept current	IPO, SSC	2016	2016		3.2
23	Federated Data Search tool	<ul style="list-style-type: none"> - A federated search tool enables direct searching of multiple data repositories simultaneously - Development requires a funding stream and a team of collaborators 	IPO, DMSC, Broad community engagement	2017	2020		2.2; 3.3
24	Catalogue of key Southern Ocean data synthesis tools and products	<ul style="list-style-type: none"> - Lists of key Southern Ocean data synthesis products and tools are provided on the SOOS website. http://www.soos.aq/data/analysisvisualisation 	IPO, SSC, DMSC	2017	2019		2.2; 3.4
25	Annual SOOS Data management sub-committee meetings		DMSC, observers	Annually			3.1; 3.2; 3.3; 3.4; 4.2; 4.6

#	Objective 4: Provide services to communicate, coordinate, advocate and facilitate SOOS objectives and activities						
26	Stakeholder Engagement Strategy	Internal document only	IPO, SSC, EXCOM	2017	2018		4.2; 4.6
27	5-Year Business Plan and Funding Strategy	Internal document only	IPO, SSC, EXCOM	2016	2018		4.5; 4.6
28	Annual SOOS scientific steering committee meetings		SSC, EXCOM, IPO, Observers	Annually			4.2; 4.6
29	Annual SOOS Executive Committee meetings		Executive Committee	Annually			4.5; 4.6
30	"SOOS Update" quarterly newsletter		IPO	2012	Ongoing		4.4
32	Progress reports to key stakeholders	SSC, SCAR, SCOR, ATCM, Sponsors	IPO, EXCOM	2012	Annual		4.1; 4.2; 4.3; 4.4; 4.5; 4.6
33	Products database	Online database of presentations, posters, publications, videos, science strategies and reports	IPO	2012	Ongoing		2.2; 4.4
34	An up-to-date website is provided		IPO	2012	Ongoing		2.2; 4.1; 4.2; 4.3; 4.4; 4.6
35	An efficient and productive International Project Office		IPO, EXCOM	2012	Ongoing		4.5; 4.6