Stakeholder class	Stakeholder	Involvement in Phases 0-5 (Design, Construction and Tests)		Involvement in Phase 6 (Operation)		Involvement in decommissioning		NSS system requirement	Comments
		Provides	Receives	Provides	Receives	Provides	Receives		
External	Society and representatives (Governments, founding agencies)	Requirement of progress & development for the sake of humanity. Political frame. Money, work force for facility and instruments	Research infrastructure	Money, work force for LSI Money, networking between Universities, National research agencies and LSI	Knowledge (fundamental and applied research results, know-how).				
	Regulatory authority	Safety and related requirements, Licenses	Budget from governments System and process specifications from ESS as required.	Controls	Budget from governments				
	Users	Science requirements Related expertise	Cutting edge instruments adapted to their research	Science cases, experimental procedure, Optimized samples	Performing instrument suite, Scientific and technical support, High quality data				
	Suppliers	Products and services to facility and instruments Employment, taxes, incomes to Society	Requirements, know-how from facility and instruments	Products and services to facility	Require ments, Money from facility				
Instrument	Instrument Scientists	Instrument with agreed specifications, performances, reliability Support requirements Pays for support & production	Budget from management Support from supporting stakeholders, w/o payment.	Operation, User service, Upgrades, Support requirements, Scientific results	Budget and support required by operation, agreed instrument upgrades				
	Instrument Engineers	engineering support for the design and construction process	Requirement from instrument scientists, standards, boundary conditions from support group and others systems at the interface	-	-				
ESS management and support	Management	Optimized use of budget	Budget from governments, institutions Science cases and instrument design from instrument Scientist Infrastructure requirement from instruments Requirement infrastructure from other parts	Optimized use of budget	Budget from governments, Society Operational instrument Scientific results for communication, Upgrade programs to maintain performance				
	RAMI	Policy target for availability	Support from management						
	ES & H	Policy targets and standards for health and safety, PPS design	Budget and requirement from management and regulatory authority Budget from instrument for PPS	Maintenance and control of PPS and safety relevant systems	Budget from management Requirement from management and instruments				
	Facility infrastructure (source, CF, user office, administration,…)	Sufficient planning and performance, interface coordination with respect to the requirement on the facility and the instrument	Requirement Budget	Sufficient planning and availability of all required systems for instrument operation and efficient exploitation	Requirements Budget				
	Technology and other support groups	Support infrastructure and capacity development, standards, technical advices and support	Budget and requirement from management to build up support infrastructure and develop standards Budget from instruments for technical support	Maintenance of support infrastructure and capacity.	Budget from management to maintain infrastructure and capacity. Potential budget from the instrument to provide maintenance and support (tbc) Maintainability and access to full documentation and specs of systems on charge when support is required.				
	DMSC	Software development required for instrument control and data reduction and first-stage analysis. Transfer and storage strategy and capacities	Requirements from management and instrument Budget from management	Maintain and develop advanced software required for instrument control, data reduction and preliminary and first-stage analysis, maintain data transfer and storage capacities	Requirements from management and instrument Budget from management				