



**Saving Oseberg Phase II – From Lab to Pilot - 2017-2019.
Positions – revised plan – March 2018.**

Research Group	Type of Position	Affiliation	Role	Basic qualifications and preferences
-	Project manager	KHM, UiO	Budget administration, personnel administration, administration of collaborations, reporting to project owner. Overall responsibility for project progress	PhD in conservation, conservation science or chemistry, wood science or other relevant area. Experience from project management in interdisciplinary and/or innovative research projects. Experience from working with cultural heritage research.
Group 2 New position	Professor II		Uphold research standard, take part in and develop research and publication strategies, international project collaboration, relevant research	Specialized expertise, international research and publication profile relevant for developing new materials for alum and waterlogged wood.
Group 1	Post-doctoral researcher (Conservation) Until May 31 st 2018	KHM, UiO	Testing of existing and new conservation materials. Developing testing protocols. Responsible for design and undertaking of condition survey. Develop retreatment protocols based on survey results and pilot studies. Undertake materials testing.	PhD in conservation or conservation science. Extensive conservation experience in hands-on treatment of organic materials, preferably archaeological wood.
Group 1	Conservator (substitute position) (KHM financed) Until May 31 st 2018	KHM, UiO	Contribute to design of condition survey. Carry out survey and categorize objects. Contribute to design of retreatment protocol. Undertake pilot retreatment tests. Undertake materials testing.	MSc in conservation, experience in the conservation of organic materials, preferably archaeological wood. Experience in experimental set-up.
Group 1 New position	Research Conservator June 1 st 2018–2019	KHM, UiO	Contribute to design of condition survey. Carry out survey and categorize objects. Contribute to design of retreatment protocol. Undertake pilot retreatment tests. Undertake materials testing.	MSc in conservation, experience in the conservation of organic materials, preferably archaeological wood. Experience in experimental set-up.

Group 1 Conservator	Conservator 2017-2019	KHM, UiO	Contribute to design of condition survey. Carry out survey and categorize objects. Contribute to design of retreatment protocol. Undertake pilot retreatment tests. Undertake materials testing.	MSc in conservation, experience in the conservation of organic materials, preferably archaeological wood. Experience in experimental set-up.
Group 1 & 2	Researcher (Chemistry)	KHM, UiO	Maintenance of instruments, training of group members on instruments, analysis of organic components of Oseberg wood, mechanical testing, analytical protocols.	PhD in chemistry. Experience with maintenance and setting/use of advanced analytical equipment, i.e. SEM, Raman, FT-IR, XRD and XRF. Experience in organic analysis, such as HPLC and GC-MS. Experience in working with cultural heritage materials, especially wood, and knowledge of archaeological wood conservation. Experience from interdisciplinary projects in cultural heritage.
Group 1 & 2	Post-doctoral researcher (Conservation Science)	KHM, UiO	Further development of Ca(OH) ₂ nanoparticles for the de-acidification of Oseberg wood, silanes as consolidants and cross-linking with nanoparticles to form a hybrid material, assist conservators in testing of these materials. Explore alternative de-acidification methods.	PhD in conservation science or chemistry. Experience in working with nanoparticles in relation to cultural heritage. Basic knowledge and experience of archaeological wood conservation. Experience from interdisciplinary projects preferably in cultural heritage.
Group 1 & 2	Post-doctoral Researcher (Chemistry)	University of Pisa	Analysis of organic components in Oseberg wood, primarily by Pyrolysis GC-MS	PhD in chemistry. Extensive experience in organic analytical methods. Experience in working with cultural heritage material, preferably wood.
Group 2	Post-doctoral researcher (Chemistry)	KHM, UiO	Further development of lignin-like materials as consolidants for the Oseberg finds, <i>in situ</i> polymerization of lignin-like materials, testing consolidation on small samples, testing on larger pieces of wood.	PhD in chemistry. Expertise in synthesis of lignin materials. Experience in the use of analytical methods such as NMR of biopolymers. Experience in working with cultural heritage materials, especially wood, and knowledge of archaeological wood conservation. Experience from interdisciplinary projects preferably in cultural heritage.
Group 1 & 2	Researcher (Chemistry)	KHM, UiO	Development of testing protocols to assess inhibition of metal ion-promoted degradation by new and existing treatments. Advising on chemical modifications to new consolidants.	PhD in chemistry. Expertise in complex and/or metal organic chemistry, and experience using analytical techniques including SEM-EDS, XRD, FTIR and Raman spectroscopy. Ability to design and execute practical experiments. Experience in working with cultural heritage materials, especially wood, and knowledge of archaeological wood conservation. Experience in using synchrotron facilities.

KHM, 14 March 2018

Louis Boumans
Project manager