

Copper in the Early Modern Period. A Comparative Study of Work and Everyday Life in Falun and Røros. (Researcher project - FRIHUMSAM)Application Number: ES546575 Project Number: 240462

Applicant**Project Owner**

Institution / company (Norwegian name)	University of Oslo
Faculty	Humanities
Institute	Institute for archaeology, conservation and history
Department	History
Address	PB 1008
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Enterprise number	971035854
eAdministration	

Project administrator

First name	Katrine
Last name	Randin
Position/title	Head of administration
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Confirmation	<input checked="" type="checkbox"/> The application has been approved by the Project Owner

Project manager

First name	Kristine
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Last name	Bruland
Institution / company (Norwegian name)	University of Oslo
Faculty	Humanities
Institute	IAKH
Department	History
Address	PB 1008
Postal code	0315
City	Oslo
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Position/title	Professor of Economic History
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Project info

Project title

Project title	Copper in the Early Modern Period. A Comparative Study of Work and Everyday Life in Falun and Røros.
Project title (alternative language)	Kobber i tidlig modern tid

Primary and secondary objectives of the project

Primary and secondary objectives	<p>To further our knowledge of copper production in Scandinavia in the early modern period. Against the background of recent empirical and theoretical advances in historical research it is timely to revisit Scandinavian copper production. We will bring to the analysis a combination of two important developments in history writing - global history and practice oriented studies - to tell the stories of Scandinavia's two largest copper mines, Falun and Røros. A global perspective is required since the mines were linked to each other and to markets, ideas and movements far beyond the region. To this macro perspective we add a practice oriented perspective. We aim to make a detailed study of life and work at the mines. We examine local production against the background of global developments in metallurgy. An important</p>
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ambition is to link people in their practice and everyday life to broad historical change, connecting the local to global trends

Project summary

Project summary

The aim of this project is to make a renewed analysis of Scandinavian copper production in the early-modern period, against the background of global developments in metallurgy. The rationale for this is the fact that most of the earlier studies are very old. Heckscher's path-breaking research in the field is almost 75 years old and the most thorough study of Norwegian copper production at Røros was published in the 1940s. The ambition here is to combine two recent trends in history writing to tell the story of Scandinavia's largest copper mines, that of global history and that of practice-oriented studies. The former tradition has, ever since its appearance some two decades ago been equated with "comparisons and connections", and this project builds upon both. The project begins with a comparison of the Falun mines in Sweden and the Norwegian mines at Røros. Connections are, however, seldom out of sight. We know that the two mines were linked to each other, but they also had contacts that stretched much further afield; on the one hand, Scandinavian copper was sold on a world market, and on the other hand, people and ideas also circulated globally. A central question is how Falun and Røros tackled the new circumstances that developed from the early 18th century when the world market for copper changed and a new production centre at Swansea in Wales rapidly developed? It is fair to say that global history is written from a macro perspective, but in recent years "communities" has been added to the "com & con" perspective. This development is to a large extent related to discussions about "practice", and about how concrete people did what they did, as well as to the recent resurgence of the tradition of "micro-history". This project will draw also on these related approaches. An important ambition is to link people (miners as well as mining administrators) in their practice and everyday life to historical change, connecting the local to global trends.

Popular science presentation (written in English)

This project examines the historical developments at Scandinavia's two largest copper mines, Falun in Sweden and Røros in Norway, in the early modern period. These mines produced and sold copper globally and Falun in particular achieved a major position. The situation changed during the second half of the eighteenth century with the British Industrial Revolution and the rapid growth of copper production in Swansea "the new Copperopolis of the world". The project asks how Røros and Falun experienced these changes. We examine mining practices, workers and employers, and compare developments between the two mines. But we also go beyond the local mining communities and follow the mines' worldwide connections and roles. The project will build on micro-history, recent global history, and social, technological and economic history.

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Popular science presentation (written in Norwegian)	<p>Prosjektet undersøker den historiske utviklingen ved Skandinavias to største kobbergruver i tidlig moderne tid, nemlig Falun gruver i Sverige og Røros gruver i Norge. Disse gruvene produserte og eksporterte kobber til store deler av verden og spesielt Falun fikk en fremtredende posisjon. Situasjonen endret seg utover 1700-tallet med den britiske industrielle revolusjonen og den sterke veksten i kobberproduksjonen i Swansea - verdens nye «copperopolis». Prosjektet spør hvordan Røros og Falun opplevde disse endringene. Vi undersøker gruvedriften, arbeiderne og arbeidsgiverne, og sammenligner utviklingen mellom de to gruvene. Men vi går også utover lokalsamfunnene og følger gruvens verdensomfattende forbindelser og betydning. Prosjektet vil støtte seg på mikro-historie, nyere globalhistorie, og på sosial, teknologi og økonomisk historie.</p>
Publication	<p>✓ I understand and accept that the text provided in the fields for "Popular science presentation" will be made publicly available.</p>

Funding scheme

Supplementary info from applicant

Programme / activity	FRIHUMSAM
Application type	Researcher project
Topics	
Other relevant programmes/ activities/projects	
Discipline(s)	social, economic and global history
If applying for additional funding, specify project number	
Have any related applications been submitted to the Research Council and/or any other public funding scheme	No
If yes, please provide further information	

Progress plan

Copper in the Early Modern Period. A Comparative Study of Work and Everyday Life in Falun and Røros. (Researcher project - FRIHUMSAM)

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Project period

From date	20150401
To date	20180401

Main activities and milestones in the project period (year and quarter)

Milestones throughout the project	From		To	
1 group meeting: theory, literature, sources	2015	2	2015	2
1 team leaders meeting: Recruit postdocs.	2015	2	2015	2
Contacts network. Plan.Coordination. Budget.	2015	2	2015	2
Reading, writing, archives, conf participatio	2015	2	2017	4
2 seminars: historiography; drafts of	2015	3	2015	4
findings; comments by guests.	2015	3	2015	4
Web inputs	2015	3	2018	1
Planning of final conference.	2015	4	2018	1
Annual team/ team leaders meeting.	2016	1	2018	1
Twice per year seminars with guests.	2016	2	2017	4
Popular dissemination	2016	4	2018	1
Submission 2 articles	2016	4	2016	4
Submission 2 articles	2017	4	2017	4
1 book submission	2018	1	2018	1
1 edited book submission	2018	1	2018	1
Hold final conference	2018	1	2018	1

Dissemination of project results

Dissemination plan

The aim is to communicate and disseminate the results of the project broadly (in Oslo and Norway, Uppsala and Sweden and internationally) and to a diverse audience - including academics at all levels; scholars from different academic fields (such as social, economic, cultural history; innovation studies; economics; social geography); people from non-university institutions (e.g. policy arena; museums) and to the broader public. To do this we plan to use the following channels:

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WORK-IN-PROGRERSS SEMINARS: will be used as channels for communicating preliminary and mid-term results, internally in the group and to guests.

NATIONAL AND INTERNATIONAL NETWORKS: We will have ongoing contact with national and international research centres and groups, where the team will communicate and/or present preliminary, mid-term and final results.

EXTERNAL SEMINARS AND CONFERENCES: all team members will present developed results at such events, inside and outside of Scandinavia.

FINAL CONFERENCE: the main results of the project will be presented at a conference organised by the project team. We expect a broad audience, including scholars, students, and policy makers.

SCHOLARLY PUBLICATIONS: Results will be communicated via publications: 4 scholarly articles will be published in refereed, international journals, and 2 books, of which one edited and presenting overall results, published by international renown publishers.

POPULAR DISSEMINATION: we except that the team members will be communicating results via radio, non-academic journals, websites and newspapers.

WEB SITE: the project will construct a web-site, and/or link to appropriate existing sites, and disseminate information on on-going activities, work-in progress, seminars, publications, links and so on.

Budget

Cost plan (in NOK 1000)

	2015	2016	2017	2018	2019	2020	2021	2022	Sum
Payroll and indirect expenses	806	2541	2154	894					6395
Procurement of R&D services	270	843	868	596					2577
Equipment									0
Other operating expenses	182	265	265	183					895
<i>Totals</i>	1258	3649	3287	1673					9867

Specification

Payroll and indirect expenses:
 One PostDoc hired at UiO for three years, fulltime (startup 1 Sept 2015)
 Buy out of project leader K. Bruland, 20% for three years

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	2015	2016	2017	2018	2019	2020	2021	2022	Sum
From Research Council	1119	3292	2978	1568					8957
<i>Totals</i>	1258	3649	3287	1673					9867

	2015	2016	2017	2018	2019	2020	2021	2022	Sum
Decided by Research Council of Norway	2286	3053	3148	508					8995
Originally applied from Research Council of Norway	2286	3053	3148	508					8995

Specification

NB:

The difference between specification of "other operationg expenses" in "cost plan" (above) and "allocations sought from the research council" (below) is connected to the fact that in the cost plan, we have drawn the research funds for the post doc out of the lump sum allocated for this position (as it is baked into the lump sum), whereas this is not possible in the specification below in the boxes "Allocations sought from the Research Council"

Also: Since it is not possible to choose "researcher" as a position being sought for, we have left it open.

As can be seen below, we have included the post.doc. who will be hired in Uppsala in the list of person's for whom a fellowship is being sought. (Even though the resources for this position is included in the funds allocated for procurement and R&D services.)

Person for whom a fellowship/position is being sought

First name

Last name

National identity number

Basis for calculation of position

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Type of fellowship	From date (yyyymmdd)	To date (yyyymmdd)
Post-doctoral fellowship	20150901	20180831

	2015	2016	2017	2018	2019	2020	2021	2022
Percentage of full time position	25	100	100	75				

Documentation for calculation of overseas research grant and visiting researcher grant

Institution / company	Travelling with family	Travel expenses
Location		
Country		Period
		From date (yyyymmdd)
		To date (yyyymmdd)

First name	Last name	National identity number
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Basis for calculation of position

Type of fellowship	From date (yyyymmdd)	To date (yyyymmdd)
Post-doctoral fellowship	20150901	20180831

	2015	2016	2017	2018	2019	2020	2021	2022
Percentage of full time position	19	75	75	56				

Documentation for calculation of overseas research grant and visiting researcher grant

Institution / company	Travelling with family	Travel expenses
Location		

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	2015	2016	2017	2018	2019	2020	2021	2022	Sum
Doctoral fellowships									0
Post-doctoral fellowships	242	1004	1039	802					3087
Grants for visiting researchers									0
Grants for overseas researchers									0
Researcher positions	437	1205	831						2473
Hourly-based salary including indirect costs									0
Procurement of R&D services	270	843	868	596					2577
Equipment									0
Other operating expenses	170	240	240	170					820
<i>From Research Council</i>	1119	3292	2978	1568					8957

Partners

Partners under obligation to provide professional or financial resources for the implementation of the project

Attachments

Project description

Filename	2014 to RC Copper FINAL Project description.pdf
Reference	ES530235_001_1_Projektbeskrivelse_20140521

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Curriculum vitae (CV) with list of publications

Filename	2014 CV Copper to RC.pdf
Reference	ES530235_002_1_CV_20140515

Grade transcripts (Doctoral and student fellowships)

Filename
Reference

Referees

Filename	2014 Copper referees to RC.pdf
Reference	ES530235_005_1_Fageksperter_20140515

Recommendation and invitation

Filename
Reference

Confirmation from partner(s)

Filename
Reference

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Other items

Filename	Specified Travel costs etc 3.pdf
Reference	ES542963_010_1_Annet_20150312