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Department of Geosciences and Geography
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Employment

Research Director

Department of Geosciences and Geography
University of Helsinki
Finland
1 Jan 2018 → present

Helsinki Institute of Sustainability Science (HELSUS)

University of Helsinki
Helsingin yliopisto, Finland
1 Jan 2018 → present

Helsinki Institute of Urban and Regional Studies (Urbaria)

University of Helsinki
Helsinki, Finland
18 Dec 2017 → present

Supervisor for doctoral programme

Doctoral Programme in Geosciences
University of Helsinki
Finland
1 Jan 2014 → present

State geophysicist

Geological Survey of Sweden
Sweden
1 Jan 1996 → 1 Aug 1997

junior research fellow

University of Oulu, Oulu
Finland
1 May 1992 → 1 Dec 1995

Junior researcher fellow

Geological Survey of Canada
Canada
1 May 1991 → 1 May 1992

Junior research fellow

University of Oulu, Oulu
Finland
1 Jan 1989 → 1 May 1991

Geophysicist

Geological Survey of Finland
Espoo, Finland
1 May 1988 → 1 Oct 1989

Qualifications

Management, Specialist qualification in management, Liikemiesten kauppaopisto
Award Date: 1 Apr 2010

Tectonics, Docent, University of Helsinki
Award Date: 1 Apr 2003

Principal Investigator

Period : 01.12.2009 - * in Department of Geosciences and Geography

Research community

Research Infrastructure Projects

OPEN-FIRE: Finnish Reflection Experiment – FIRE avoimesti verkkoon

Korja, A. (Project manager), Heinonen, A. (Participant), Aalto, A. (Participant), Väkevä, S. (Participant) & Heikkinen, P. (Project manager)
01/01/2016 → 31/12/2017
Project: Other project

EPOS-IP: EPOS Implementation Phase

Korja, A. (Principal Investigator) & Kontkanen, P. (Participant)
01/10/2015 → 31/10/2018
Project: Other project

FIN-EPOS - a Finnish national initiative of the European Plate Observing System

Korja, A. (Principal Investigator), Heikkinen, P. (Project manager), Kukkonen, I. (Project manager), Whipp, D. (Participant), Muinonen, K. (Participant), Poutanen, M. (Project manager), Tanskanen, E. (Project manager), Kozlovskaya, E. (Project manager), Korja, T. (Participant), Lecarpentier, D. (Participant), Merimaa, M. (Participant) & Mertanen, S. (Participant)
01/02/2013 → ...
Project: Other project

FIN-EPOS-Seismo: Seismisen asemaverkon laajennus; FIRI-omarahoitusosuus

Korja, A. (Principal Investigator), Lindblom, P. (Participant), Tiira, T. (Participant), Komminaho, K. (Participant) & Kortström, J. (Participant)
01/01/2015 → 31/01/2018
Project: Other project

FIN-EPOS-Seismo: Upgrading Finnish national seismic network FIRI2014

Korja, A. (Principal Investigator), Lindblom, P. (Participant), Tiira, T. (Participant), Kortström, J. (Participant), Kozlovskaya, E. (Participant) & Mäntyniemi, P. (Project manager)
01/01/2015 → 31/12/2017
Project: Other project

OBF: Pyhäjoki seismic network

Korja, A. (Principal Investigator), Tiira, T. (Project manager), Uski, M. (Participant), Kortström, J. (Participant), Valtonen, O. (Participant) & Vuorinen, T. (Participant)
15/10/2011 → ...
Project: Other project

Geopiste

Hellemaa, P. (Project manager), Ratvio, R. (Other), Houtsonen, O. (Participant), Johansson, T. (Participant), Korja, A. (Participant), Kosonen, K. (Participant), Luoto, M. (Participant), Ruth, O. (Participant), Paarlahti, A. (Participant), Heikkilä,

P. (Participant) & Kati, I.-V. (Participant)
01/01/2009 → 31/05/2015
Project: Other project

Research Projects

Etelä-Suomen alueen seismiset lähdealueet; Seismic source areas in Southern Finland

Korja, A. (Principal Investigator), Mäntyniemi, P. (Participant), Uski, M. (Participant) & Oinonen, K. (Participant)
01/03/2015 → 31/03/2016
Project: Research project

Evaluating seismic hazard for Pyhäjoki nuclear power plant

Korja, A. (Principal Investigator), Tiira, T. (Participant), Mäntyniemi, P. (Participant), Uski, M. (Participant), Valtonen, O. (Participant), Kosonen, E. (Other), Laine, M. (Other), Mikko, N. (Participant), Huotari-Halkosaari, T. (Participant), Airo, M. (Participant), Sutinen, R. (Participant), Högdahl, K. (Participant), Lund, B. (Participant), Stephens, M. (Participant) & Grigull, S. (Participant)
01/03/2013 → 31/05/2016
Project: Research project

Compilation of seismic database and seismic hazard assessment in northern Finland

Korja, A. (Principal Investigator), Kortström, J. (Participant), Lindblom, P. (Participant), Mäntyniemi, P. (Participant), Uski, M. (Participant) & Valtonen, O. (Participant)
01/01/2011 → 31/12/2012
Project: Research project

Evolution of the 3D structure of the Svecofennian bedrock

Korja, A. (Other)
25/08/2009 → ...
Project: Research project

MIDCRUST: MIDCRUST - Three dimensional evolution of the middle crust in Central Fennoscandia

Korja, A. (Principal Investigator), Rämö, T. (Project manager), Hölttä, P. (Project manager), Korja, T. (Project manager), Kärki, A. (Project manager), Eklund, O. (Project manager), Nikkilä, K. (Participant), Kurhila, M. (Participant) & Chopin, F. (Project manager)
01/01/2011 → 31/12/2014
Project: Research project

Three dimensional deformation of the crust

Korja, A. (Project manager), Kilpeläinen, T. (Project manager), Susi, H. (Participant), Lammi, M. (Participant), Valtonen, O. (Participant) & Torvela, T. (Participant)
K.H. Renlundin säätiö
17/05/2010 → 31/12/2012
Project: Research project

Development and applications of new methods in seismic research

Tiira, T. (Principal Investigator), Korja, A. (Participant), Komminaho, K. (Participant), Vuorinen, T. (Project manager) & Kortström, J. (Project manager)
01/01/2010 → ...
Project: Research project

Structure and evolution of the Eurasian plate

Tiira, T. (Principal Investigator), Korja, A. (Project manager), Heikkinen, P. (Project manager) & Komminaho, K. (Participant)
01/01/2005 → ...
Project: Research project

HUKKA07

Tiira, T. (Project manager), Korja, A. (Participant), Komminaho, K. (Participant), Grad, M. (Participant), Janik, T. (Participant), Kozlovskaya, E. (Participant), Hegedus, E. (Participant), Kovács, C. A. (Participant), Brückl, E. (Participant)

& Silvennoinen, H. (Participant)
01/01/2007 → 30/11/2014
Project: Research project

Research networks

EPOS (External organisation)

Korja, A. (Member), Kontkanen, P. (Member) & Vuorinen, T. A. T. (Member)
2012 → ...

FIN-EPOS (External organisation)

Korja, A. (Chair)
2013 → ...

MIDCRUST (External organisation)

Korja, A. (Chair)
2011 → ...

University reserach consortium (External organisation)

Korja, A. (Chair)
2009 → ...

Nordplus/ NordForsk network (External organisation)

Korja, A. (Chair)
2006 → 2008

IODP proposal network (External organisation)

Korja, A. (Chair)
2004 → 2006

EUROPROBE/ESF (External organisation)

Korja, A. (Board member)
1998 → 2010

MScThesis supervision

pro gradu / Hannu Lammi

Korja, A. (Supervisor)
2013 → 2015

pro gradu / Niina Hellqvist

Korja, A. (Supervisor)
2012 → 2013

pro gradu / Paula Koskinen

Korja, A. (Supervisor)
2012 → 2013

pro gradu/ Henrik Vesterinen

Korja, A. (Co-supervisor)
2012 → 2013

pro gradu / Helena Susi

Korja, A. (Supervisor)

2011 → 2013

pro gradu / Tuulia Häkkinen
Korja, A. (Supervisor)
May 2010

pro gradu / Outi Valtonen
Korja, A. (Supervisor)
2010 → 2011

pro gradu / Kati Karkkulainen
Korja, A. (Supervisor)
2004 → 2008

pro gradu / Minna Kuusisto
Korja, A. (Supervisor)
2001 → 2003

PhD supervision

Kaisa Nikkilä
Korja, A. (Supervisor)
2011 → 2016

Postdoctoral mentor

Francis Chopin/ Structural and metamorphic evolution of the Vaasa dome
Korja, A. (Supervisor)
2012 → 2015

Matti Kurhila/ Granitoid magmatism of the middle crust
Korja, A. (Supervisor)
2011 → 2012

Paula Kosunen/ Granite magmatism in Central Finland granitoid complex
Korja, A. (Supervisor)
2004 → 2007

Membership in national/international committee, council, board

EPOS IPC (External organisation)
Korja, A. (Member)
2015 → 2016

EPOS BNSR (External organisation)
Korja, A. (Chair)
2016 → 2018

Vetenskapsrådet (External organisation)
Korja, A. (Board member)
Apr 2017 → Mar 2020

IUGG national committee (External organisation)
Korja, A. (Member)

2015 → 2018

Suomen kansallinen geologian komitea (External organisation)

Korja, A. (Member)

2015 → 2016

National publication forum, Panel 5 (External organisation)

Korja, A. (Chair)

2014 → 2017

EPOS IAPC (External organisation)

Korja, A. (Member)

2013 → 2014

Geopiste (External organisation)

Korja, A. (Board member)

2010 → 2013

IODP / ESSAC (External organisation)

Korja, A. (Member)

1 Jan 2007 → 31 Dec 2007

IODP/STP/ECORD (External organisation)

Korja, A. (Member)

1 Jan 2006 → 31 Dec 2006

IODP/SMP/ECORD (External organisation)

Korja, A. (Member)

1 Jan 2005 → 31 Dec 2005

Membership in a public or international organization

Maanpuolustuskorkeakoulu (External organisation)

Korja, A. (Board member)

2019 → 2024

EMSC European Mediterranean Seismological Center (External organisation)

Korja, A. (Board member)

2015 → 2017

IASPEI -International Association of Seismology and Physics of the Earth's Interior (External organisation)

Korja, A. (Member)

2015 → 2018

ISC - International Seismological Center (External organisation)

Korja, A. (Board member)

2015 → 2017

ORFEUS Board of Directors (External organisation)

Korja, A. (Member)

2015 → 2017

Geological Society of Finland (External organisation)

Korja, A. (Chair)

1 Jan 2015 → 12 Dec 2015

Nordiskt vulkanologiskt centrum (NORDVULK) programkommitté (External organisation)

Korja, A. (Member)
2014 → 2020

Råd för infrastruktur VR RFI BG3 (External organisation)

Korja, A. (Member)
2014 → 2020

Kumpulan kampusen neuvotelukunta (External organisation)

Korja, A. (Member)
2010 → 2013

Faculty of Science (Organisational unit)

Korja, A. (Member)
2010 → 2014

Faculty of Science (Organisational unit)

Korja, A. (Member)
2010 → 2017

Etelämannertutkimuksen koordinaatioryhmä (External organisation)

Korja, A. (Member)
2007 → 2014

Institute of Seismology (Organisational unit)

Korja, A. (Member)
2005 → 2009

Finnish National support group of IODP and ICDP (External organisation)

Korja, A. (Board member)
2004 → 2014

Nordic Volcanological Institute (External organisation)

Korja, A. (Board member)
2002 → 2012

Membership in body in private organization

A1 Refereed journal articles

In Memoriam: Professori Jorma Kalliokoski

Korja, A., Dec 2024, In: Geologi. 76, 6, p. 199-200 2 p.

SEISMIC RISK - Kaupunkialueiden indusoidun seismisen riskin hallinta -hanke laajentaa geotermisen energian vaikutusten ymmärrystä

Metsalo, K., Bäcklund, P. & Korja, A., 16 Feb 2024, In: Geologi. 1, p. 13-17 5 p.

Geoterminen energia ja politiikkaongelmien hallitsemisen tiedollinen haaste

Tuomisaari, J. M., Junno, N., Bäcklund, P. & Korja, A., 23 Jun 2022, In: Alue ja ympäristö. 51, 1, p. 21-39 19 p.

Full-Scale Crustal Interpretation of Kokkola–Kymi (KOKKY) Seismic Profile, Fennoscandian Shield

Tiira, T., Janik, T., Skrzynic, T., Komminaho, K., Heinonen, A., Veikkolainen, T., Väkevä, S. & Korja, A., Aug 2020, In: Pure and applied geophysics : PAGEOPH. 177, p. 3775-3795 21 p.

The Vaasa Migmatitic Complex (Svecofennian Orogen, Finland): Buildup of a LP-HT Dome During Nuna Assembly

Chopin, F., Korja, A., Nikkila, K., Holtta, P., Korja, T., Zaher, M. A., Kurhila, M., Eklund, O. & Ramo, T., Mar 2020, In: Tectonics. 39, 3, 25 p., ARTN e2019TC005583.

Emplacement and 3D geometry of crustal-scale saucer-shaped intrusions in the Fennoscandian Shield

Buntin, S., Malehmir, A., Koyi, H., Hogdahl, K., Malinowski, M., Larsson, S. A., Thybo, H., Juhlin, C., Korja, A. & Gorszczyk, A., 19 Jul 2019, In: Scientific Reports. 9, 11 p., 10498.

OpenFIRE – Suomen syvyydet avataan verkkoon

Heinonen, A., Aalto, A., Väkevä, S., Heikkinen, P. J. & Korja, A., 2017, In: Geologi. 69, 3, p. 92–97 6 p.

Three stages to form a large batholith after terrane accretion: An example from the Svecofennian orogen

Nikkilä, K., Mänttari, I., Nironen, M., Eklund, O. & Korja, A., Aug 2016, In: Precambrian Research. 281, p. 618-638 21 p.

Local seismic network for monitoring of a potential nuclear power plant area

Tiira, T. E., Uski, M. R., Kortström, J. T., Kaisko, O. S. & Korja, A., Apr 2016, In: Journal of Seismology. 20, 2, p. 397-417 21 p.

Analog modeling of one-way gravitational spreading of hot orogens: A case study from the Svecofennian orogen, Fennoscandian Shield

Nikkilä, K. M., Korja, A., Koyi, H. & Eklund, O., 29 Jul 2015, In: Precambrian Research. 2015, 268, p. 135-152 18 p.

Crustal Architecture of the Inverted Central Lapland Rift Along the HUKKA 2007 Profile

Tiira, T., Janik, T., Kozlovskaya, E., Grad, M., Korja, A., Komminaho, K., Hegedus, E., Kovacs, C. A., Silvennoinen, H. & Bruckl, E., Jul 2014, In: Pure and applied geophysics : PAGEOPH. 171, 7, p. 1129-1152 24 p.

The mode of extension in the orogenic mid-crust revealed by seismic attribute analysis

Torvela, T., Moreau, J., Korja, A., Heikkinen, P. & Butler, R. W. H., 29 Apr 2013, In: Geochemistry, geophysics, geosystems G³. 14, 4, p. 1069–1086 18 p.

News from ECORD Member countries: Finland

Strand, K. & Korja, A., Apr 2013, In: ECORD Newsletter - European Consortium for Ocean Research Drilling. 20, p. 21 1 p.

Optimal configuration of a micro-earthquake network

Valtonen, O., Uski, M., Korja, A., Tiira, T. & Kortström, J., 2013, In: Advances in Geosciences. 34, p. 33-36 4 p.

Examining three-dimensional crustal heterogeneity in Finland

Korja, A., Hyvönen, T., Tiira, T. & Heikkinen, P., 15 Apr 2009, In: Eos. 90, 15, p. 129-136 3 p.

A letter from Finland

Strand, K., Korja, A. & Kanto, E., 2009, In: ECORD Newsletter - European Consortium for Ocean Research Drilling. 13, p. 15 1 p.

Elämjärven hirtovyöhyke, osa II - lineaatit ja kuoren kehitystulkinta

Kilpeläinen, T., Korja, A. & Paavola, J., 2008, In: Geologi. 60, p. 34-43 10 p.

A tomographic crustal velocity model of the central Fennoscandian shield

Hyvönen, T., Tiira, T., Korja, A., Heikkinen, P., Rautioaho, E., SVEKALAPKO Seismic Tomography Working Group & Komminaho, K., 2007, In: Geophysical Journal International. 168, 3, p. 1210-1226 17 p.

Influence of the seismic noise characteristics on noise correlations in the Baltic shield

Pedersen, H. A., Kruger, F., Heikkinen, P., Hyvönen, T., Korja, A. & SVEKALAPKO Seismic Tomography Working Group, 2007, In: Geophysical Journal International. 168, p. 197-210 14 p.

IODP-ohjelman mahdollisuudet Suomelle

Strand, K., Korja, A. & Junttila, J., 2006, In: Geologi. 58, 5, p. 188-190 3 p.

Lithospheric and sublithospheric anisotropy beneath the Baltic Shield from surface-wave array analysis

Pedersen, H. A., Bruneton, M., Maupin, V., Heikkinen, P., Hyvönen, T., Komminaho, K., Korja, A. & SVEKALAPKO Seismic Tomography Working Group, 2006, In: Earth and Planetary Science Letters. 244, 3-4, p. 590-605 16 p.

Milloin laattatektoniikka alkoi?

Peltonen, P., Korja, A. & Heikkinen, P., 2006, In: Geologi. 58, 5, p. 175-180 6 p.

Proterozoic-Archean boundary in the mantle lithosphere of eastern Fennoscandia as seen by seismic anisotropy

Plomerova, J., Babuska, V., Vecsey, L., Kozlovskaya, E., Raita, T., Heikkinen, P., Hyvönen, T., Komminaho, K., Korja, A. & SSTWG, 2006, In: Journal of Geodynamics. 41, 4, p. 400-410 11 p.

The 2003 earthquake swarm in Anjalankoski, south-eastern Finland

Uski, M., Tiira, T., Korja, A. & Elo, S., 2006, In: Tectonophysics. 422, p. 55-69 15 p.

Indonesian luonnonkatastrofi: tietoa maanjäristyksistä ja hyökyaalloista

Korja, A., Pesonen, L. J. & Beckmann, A., 2005, In: Geologi. 57, 2, p. 37-46 10 p.

Miksi maapallo tärisee?

Korja, A., Heikkinen, P. & Karkkulainen, K., 2005, In: Dimensio. 69, 4, p. 6-10 5 p.

The accretionary Svecofennian orogen-insight from the BABEL profiles

Korja, A. & Heikkinen, P., 2005, In: Precambrian Research. 136, 3-4, p. 241-268 28 p.

3-D density model of the crust of southern and central Finland obtained from joint interpretation of the SVEKALAPKO crustal P-wave velocity models and gravity data

Kozlovskaya, E., Elo, S., Hjelt, S.-E., Yliniemi, J., Pirttijärvi, M. & SVEKALAPKO Seismic Tomography Work, Sept 2004, In: Geophysical Journal International. 158, p. 827-848 22 p.

Complex lithospheric structure under the central Baltic Shield from surface wave tomography

Bruneton, M., Pedersen, H. A., Farra, R., Arndt, N. T., Vacher, P., Achauer, U., Alinaghi, A., Ansoerge, J., Bock, G., Friederich, W., Grad, M., Guterch, A., Heikkinen, P., Hjelt, S. E., Hyvonen, T. L., Ikonen, J. P., Kissling, E., Komminaho, K., Korja, A. & Kozlovskaya, E. & 16 others, Nevsky, M. V., Paulssen, H., Pavlenkova, N. I., Plomerova, J., Raita, T., Riznichenko, O. Y., Roberts, R. G., Sandoval, S., Sanina, I. A., Sharov, N. V., Shomali, Z. H., Tiikkainen, J., Wielandt, E., Wilegalla, K., Yliniemi, J. & Yurov, Y. G., 2004, In: Journal of Geophysical Research : Solid Earth. 109, p. - 15 p.

High-resolution body wave tomography beneath the SVEKALAPKO array - II. Anomalous upper mantle structure beneath the central Baltic Shield

Sandoval, S., Kissling, E., Ansoerge, J., Korja, A., SVEKALAPKO Seismic Tomography Work & Komminaho, K., 2004, In: Geophysical Journal International. 157, 1, p. 200-214 15 p.

Layered lithospheric mantle in the central Baltic Shield from surface waves and xenolith analysis

Bruneton, M., Pedersen, H. A., Vacher, P., Kukkonen, I. T., Arndt, N. T., Funke, S., Friederich, W., Farra, V., Korja, A., SVEKALAPKO Seismic Tomography Work & Komminaho, K., 2004, In: Earth and Planetary Science Letters. 226, 1-2, p. 41-52 12 p.

Structure of the crust and uppermost mantle beneath southern Finland revealed by analysis of local events registered by the SVEKALAPKO seismic array

Yliniemi, J., Kozlovskaya, E., Hjelt, S. E., Komminaho, K., Ushakov, A., Korja, A. & SVEKALAPKO Seismic Tomograph, 2004, In: Tectonophysics. 394, p. 41-67 27 p.

Syväkairausta Itämerellä - haaveista totta tällä vuosituuhannella?

Kotilainen, A., Hämäläinen, J., Kohonen, J., Korja, A., Mertanen, S., Ojala, J., Rämö, T., Sundblad, K. & Vaarma, M., 2004, In: Geologi. 56, 9-10, p. 204-207

Upper mantle seismic discontinuities topography variations beneath eastern Europe

Swieczak, M., Grad, M., TOR Working Group & SVEKALAPKO Working Group, 2004, In: Acta geophysica Polonica. 52, 3, p. 251-270 20 p.

Focal mechanisms of three earthquakes in Finland and their relation to surface faults

Uski, M., Hyvonen, T., Korja, A. & Airo, M. L., 2003, In: Tectonophysics. 363, p. 141-157 17 p.

High-resolution body wave tomography beneath the SVEKALAPKO array: I. A priori three-dimensional crustal model and associated travelttime effects on teleseismic wave fronts

Sandoval, S., Kissling, E., Ansorge, J., Korja, A., SVEKALAPKO Seismic Tomography Work & Komminaho, K., 2003, In: Geophysical Journal International. 153, 1, p. 75-87 13 p.

Receiver function analysis of the crust and upper mantle from the North German Basin to the Archaean Baltic Shield

Alinaghi, A., Bock, G., Kind, R., Hanka, W., Wylegalla, K., Korja, A. & SVEKALAPKO Working Grp, TOR Working Grp, 2003, In: Geophysical Journal International. 155, p. 641-652 12 p.

Non-linear surface wave phase velocity inversion based on ray theory

Bruneton, M., Farra, V., Pedersen, H. A., Korja, A. & SVEKALAPKO Seismic Tomography Work, 2002, In: Geophysical Journal International. 151, p. 583-596 14 p.

Crustal structure of the northern Baltic Sea palaeorift

Korja, A., Heikkinen, P. & Aaro, S., 2001, In: Tectonophysics. 331, p. 341-358 18 p.

Seismic probing of Fennoscandian lithosphere

Bock, G., Achauer, U., Alinaghi, A., Ansorge, J., Bruneton, M., Friederich, W., Grad, M., Guterch, A., Hjelt, S.-E., Hyvönen, T., Ikonen, J. P., Kissling, E., Komminaho, K., Korja, A., Heikkinen, P., Kozlovskaya, E., Nevsky, M. V., Pavlenkova, N., Pedersen, H. & Plomerová, J. & 12 others, Raita, T., Riznichenko, O., Roberts, R. G., Sandoval, S., Sanina, I., Sharov, N., Tiikkainen, J., Volosov, S. G., Wielandt, E., Wylegalla, K., Yliniemi, J. & Yurov, Y., 2001, In: Eos. 82, 50, p. 628-629

Crustal structure of the Baltic shield along the Pechenga-Kostomuksha-Lovisa geotraverse

Mitrofanov, F. P., Sharov, N. V., Zagorodny, V. G., Glaznev, V. N. & Korja, A.-K., 1998, In: International Geology Review. 40, 11, p. 990-997 8 p.

Upper crust of the BALTIC profile, Finland

Korja, A., 1995, In: Report / University of Oulu, Department of Geophysics. 19, 19 p.

GEOPHYSICAL INTERPRETATION OF THE CRUSTAL AND UPPER-MANTLE STRUCTURE IN THE WIBORG RAPA KIVI GRANITE AREA, SOUTHEASTERN FINLAND

ELO, S. & KORJA, A., Dec 1993, In: Precambrian Research. 64, p. 273-288 16 p.

SEISMIC AND GEOELECTRIC EVIDENCE FOR COLLISIONAL AND EXTENSIONAL EVENTS IN THE FENNOSCANDIAN SHIELD - IMPLICATIONS FOR PRECAMBRIAN CRUSTAL EVOLUTION

KORJA, A., KORJA, T., LUOSTO, U. & HEIKKINEN, P., 1993, In: Tectonophysics. 219, p. 129-152 24 p.

A2 Review in scientific journal

The GGT/SVEKA transect: Structure and evolution of the continental crust in the Paleoproterozoic Svecofennian orogen in Finland

Korsman, K., Korja, T., Pajunen, M., Virransalo, P., Ekdahl, E., Elo, S., Haapala, I., Heikkinen, P., Hjelt, S. E., Hölttä, P., Huhma, H., Idman, H., Jokinen, J., Kähkönen, Y., Kilpeläinen, T., Koistinen, T., Komminaho, K., Kontinen, A., Korhonen, J. & Korja, A. & 31 others, Kousa, J., Kukkonen, I., Kurimo, M., Lahtinen, R., Leino, M. A. H., Lerssi, J., Lindkvist, K., Lukkarinen, H., Luosto, U., Luukas, J., Luukkonen, E., Malaska, J., Mertanen, S., Niemelä, R., Nironen, M., Paavola, J., Papunen, H., Peltonen, P., Pesonen, L., Pietikainen, K., Pihlaja, P., Rämö, O. T., Rastas, J., Ruotoistenmäki, T., Saavuori, H., Tervo, T., Tuisku, P., Vaasjoki, M., Väisänen, M., Wasenius, P. & GGT SVEKA Working Grp, 1999, In: *International Geology Review*. 41, 4, p. 287-333 47 p.

A3 Contribution to book

BABEL3&3a: Crustal-Scale Structures of the Precambrian Svecofennian Accretionary Orogen in the Fennoscandian Shield

Korja, A., Heikkinen, P. J., Tiira, T. & Nikkilä, K. M., 2018, *Atlas of Structural Geological Interpretation from Seismic Images*. Misra, A. A. & Mukherjee, S. (eds.). 1. ed. Chichester, U.K.: John Wiley & Sons Ltd. , p. 205-208 4 p.

BABEL4: Crustal Structures of the Precambrian Svecofennian Accretionary Orogen in the Fennoscandian Shield

Heikkinen, P. J. & Korja, A., 2018, *Atlas of Structural Geological Interpretation from Seismic Images*. Misra, A. A. & Mukherjee, S. (eds.). Chichester: Wiley Blackwell, p. 197-199 3 p.

BABEL7: Crustal-Scale Extension Associated with the Formation of the Baltic Sea Paleorift, Fennoscandian Shield

Korja, A. & Heikkinen, P. J., 2018, *Atlas of Structural Geological Interpretation from Seismic Images*. Misra, A. A. & Mukherjee, S. (eds.). 1. ed. Chichester: Wiley Blackwell, p. 201-203 3 p.

A case study of lateral spreading: the Precambrian Svecofennian Orogen

Korja, A., Kosunen, P. & Heikkinen, P., 2009, *Extending a continent*. Ring, U. & Wernicke, B. (eds.). London: Geological Society of London, Vol. 321. p. 225-251 27 p. (Special publication; no. 321).

Palaeoproterozoic accretionary processes in Fennoscandia

Lahtinen, R., Korja, A., Nironen, M. & Heikkinen, P., 2009, *Earth accretionary systems in space and time*. Cawood, P. A. & Kröner, A. (eds.). London, p. 237-256 20 p. (Geological Society Special publication; no. 318).

Seismic images of Paleoproterozoic microplate boundaries in the Fennoscandian Shield

Korja, A. & Heikkinen, P., 2008, *When did plate tectonics begin on planet Earth?*. Condie, K. C. & Pease, V. (eds.). p. 229-248 20 p. (Geological Society of America, Special Paper; no. 440).

The Svecofennian orogen: A collage of microcontinents and island arcs

Korja, A., Lahtinen, R. & Nironen, M., 2006, *European Lithosphere Dynamics*. Gee, D. G. & R. A. S. (eds.). p. 561-578 18 p. (Geological Society Memoirs; vol. 32).

Electrical conductivity and seismic velocity structures of the lithosphere beneath the Fennoscandian Shield

Hjelt, S.-E., Korja, T., Kozlovskaya, E., Yliniemi, J., Heikkinen, P., Hyvönen, T., Komminaho, K. & Korja, A., 2006, *European Lithosphere Dynamics*. Gee, D. G. & Stephenson, R. A. (eds.). p. 541-559 19 p. (Geological Society Memoirs; vol. 32, no. 3).

Paleoproterozoic tectonic evolution: chapter 11

Lahtinen, R., Korja, A. & Nironen, M., 2005, *Precambrian Geology of Finland: Key to the Evolution of the Fennoscandian Shield*. Lehtinen, M., Nurmi, P. & Rämö, O. T. (eds.). Amsterdam: Elsevier Scientific Publ. Co, p. 481-532 52 p.

Acquisition and geophysical characteristics of reflection seismic data on FIRE transects, Fennoscandian shield

Kukkonen, I. T., Heikkinen, P., Ekdahl, E., Hjelt, S.-E., Yliniemi, J., Jalkanen, E., Korja, A., Tiira, T., Keskinen, J. & FIRE Working Group, 2006, *Finnish Reflection Experiment FIRE 2001-2005*. Kukkonen, I. T. & Lahtinen, R. (eds.). Espoo, p. 13-43 31 p. (Geological Survey of Finland, Special Paper; no. 42).

A geological interpretation of the upper crust along FIRE 2 and FIRE 2A

Nironen, M., Korja, A., Heikkinen, P., Tiira, T., Keskinen, J. & FIRE Working Group, 2006, *Finnish Reflection Experiment FIRE 2001-2005*. Kukkonen, I. T. & Lahtinen, R. (eds.). Espoo, p. 77-103 + 1 Appendix 27 p. (Geological Survey of Finland, Special Paper; no. 43).

A geological interpretation of the upper crust along FIRE 1

Korja, A., Lahtinen, R., Heikkinen, P., Kukkonen, I. T., Tiira, T., Keskinen, J. & FIRE Working Group, 2006, *Finnish reflection experiment FIRE 2001-2005*. Kukkonen, I. T. & Lahtinen, R. (eds.). Espoo, p. 45-76 + 1 Appendix 32 p. (Geological Survey of Finland, Special Paper ; no. 43).

FIRE seismic reflection profiles 4, 4A and 4B: Insights into the crustal structure of northern Finland from Ranua to Näätämö

Patison, N. L., Korja, A., Lahtinen, R., Ojala, V. J., Heikkinen, P., Tiira, T., Keskinen, J. & FIRE Working Group, 2006, *Finnish Reflection Experiment FIRE 2001-2005*. Kukkonen, I. T. & Lahtinen, R. (eds.). Espoo, p. 161-222 62 p. (Geological Survey of Finland, Special Paper; no. 43).

SVEKALAPKO tomographic experiment

Sanina, I. A., Riznichenko, O. Y., Heikkinen, P., Hyvönen, T., Korja, A., SST Working Group & Komminaho, K., 2006, *Structure and dynamics of the lithosphere of eastern Europe*. Moscow: GEOKART; GEOS

C1 Published scientific monograph

SEISMIC SOURCE AREAS IN CENTRAL FENNOSCANDIA

Korja, A. (Editor), Kihlman, S. (Editor), Oinonen, K. J. (Editor), Mäntyniemi, P. B., Uski, M. R., Vuorinen, T. A. T., Huotari-Halkosaari, T., Korhonen, K., Mikko, N., Pajunen, M., Palmu, J.-P., Virkki, H., Virtasalo, J., Kosonen, E. M., Soosalu, H., Suuroja, K., Suuroja, S., Veski, A., Grigull, S. & Smith, C. & 3 others, Wahlgren, C.-H., Högdahl, K. & Lund, B., Nov 2016, Helsinki: Institute of Seismology, University of Helsinki. 315 p. (Institute of Seismology, Report S; no. 64)

SEISMOTECTONIC FRAMEWORK AND SEISMIC SOURCE AREA MODELS IN FENNOSCANDIA, NORTHERN EUROPE

Korja, A. (Editor), Kosonen, E. M. (Editor), Hellqvist, N. M., Koskinen, P. H., Mäntyniemi, P. B., Uski, M. R., Valtonen, O. S., Airo, M.-L., Huotari-Halkosaari, T., Nironen, M., Sutinen, R., Grigull, S., Stephens, M., Karin, H. & Lund, B., 2015, Helsinki: Institute of Seismology, University of Helsinki. 284 p. (Report S; vol. 63)

D4 Published research reports

OpenFIRE – enhancing the accessibility of the Finnish Reflection Experiment data products

Aalto, A. J., Heikkinen, P. J., Heinonen, A. P., Korja, A. & Väkevä, L. S. O., Nov 2016, *LITHOSPHERE 2016: NINTH SYMPOSIUM ON STRUCTURE, COMPOSITION AND EVOLUTION OF THE LITHOSPHERE IN FENNOSCANDIA*. Kukkonen, I., Heinonen, S., Oinonen, K., Arhe, K., Eklund, O., Karell, F., Kozlovskaya, E., Luttinen, A., Lahtinen, R., Lunkka, J., Nykänen, V., Poutanen, M., Tanskanen, E. & Tiira, T. (eds.). Helsinki, p. 1-4 4 p. (Report. S; no. 65).

Intraplate Seismicity in Central Fennoscandia

Korja, A., Uski, M. R., Lund, B., Grigull, S., Nironen, M. & Högdahl, K., 9 Nov 2016, *Lithosphere 2016: Ninth Symposium on the Structure, Composition and Evolution of the Lithosphere in Finland : Programme and Extended Abstracts*. Kukkonen ... [et al.], I. (ed.). Helsinki: Institute of Seismology, University of Helsinki, p. 61-62 2 p. (University of Helsinki, Institute of Seismology, Report-S; vol. 65).

FIN-EPOS: Finnish national initiative of the European Plate Observing System

Korja, A., Vuorinen, T. A. T. & FIN-EPOS, 9 Nov 2016, *Lithosphere 2016: Ninth Symposium on the Structure, Composition and Evolution of the Lithosphere in Finland : Programme and Extended Abstracts*. Kukkonen ... [et al.], I. (ed.). Helsinki, p. 63-64 2 p. (University of Helsinki, Institute of Seismology, Report-S; vol. 65).

OpenFIRE – A Web GIS Service for Distributing the Finnish Reflection Experiment Datasets

Väkevä, S., Aalto, A., Heinonen, A., Heikkinen, P. & Korja, A., 2017. 1 p.

OBF-verkon toiminta ja seismiset havainnot vuonna 2013

Valtonen, O., Uski, M., Kortström, J. & Korja, A., 2014, Helsinki: Institute of Seismology, University of Helsinki. 29 p. (Report T; no. 92)

OBF-verkko - vaiheen 1 loppuraportti

Valtonen, O., Kortström, J. & Korja, A., 2013, 17 p. (Seismologian Instituutti, raportti T; vol. 2013, no. 89)

OBF-verkon detektio- ja paikannuskyky vaiheessa 1

Valtonen, O., Kortström, J. & Korja, A., 2013, 22 p. (Seismologian Instituutti, raportti T; vol. 2013, no. 91)

Data processing and analysis system for the Pyhäjoki seismic network

Kortström, J., Uski, M., Tiira, T. & Korja, A., 2012, Helsinki: Institute of Seismology, University of Helsinki. 15 p. (Report T; no. 86)

Pyhäjoen seisminen paikallisverkko - vaihe 1

Valtonen, O., Kortström, J. & Korja, A., 2012, Helsinki. 26 p. (Seismologian Instituutti, raportti T; no. 88)

Suunnitelma Pyhäjoen seismisestä paikallisverkosta

Valtonen, O., Lindblom, P., Komminaho, K., Kortström, J., Keskinen, J., Smedberg, I. & Korja, A., 2012, Helsinki: Helsingin yliopisto. 19 p. (Seismologian Instituutti, raportti T; vol. 2012, no. 85)

Yhteenveto Pyhäjoen seismisen paikallisverkon ja aineiston käsittelyn suunnittelusta

Valtonen, O., Uski, M., Tiira, T., Kortström, J. & Korja, A., 2012, Helsinki: Helsingin yliopisto. 13 p. (Seismologian instituutti, raportti T; vol. 2012, no. 87)

Pyhäjoki Seismic Network: a Preliminary Proposal

Tiira, T., Uski, M., Kortström, J., Valtonen, O. & Korja, A., 31 Dec 2011, Helsinki: Institute of Seismology, University of Helsinki. 37 p. (Report; vol. T, no. 84)

Seismiset asemat TOF ja OUF

Kortström, J., Lindblom, P. & Korja, A., 2011, Helsinki. 15 p. (Raportti T; vol. 2011, no. T-83)

D1 Articles in professional journals

News from ECORD Member countries: Finland

Strand, K. & Korja, A., Apr 2013, In: ECORD Newsletter - European Consortium for Ocean Research Drilling. 20, p. 21 1 p.

A letter from Finland

Strand, K., Korja, A. & Kanto, E., 2009, In: ECORD Newsletter - European Consortium for Ocean Research Drilling. 13, p. 15 1 p.

Elämäjärven hiertovyöhyke, osa II - lineaatiot ja kuoren kehitystulkinta

Kilpeläinen, T., Korja, A. & Paavola, J., 2008, In: Geologi. 60, p. 34-43 10 p.

IODP-ohjelman mahdollisuudet Suomelle

Strand, K., Korja, A. & Junttila, J., 2006, In: Geologi. 58, 5, p. 188-190 3 p.

Milloin laattatektoniikka alkoi?

Peltonen, P., Korja, A. & Heikkinen, P., 2006, In: Geologi. 58, 5, p. 175-180 6 p.

Indonesian luonnonkatastrofi: tietoa maanjärityksistä ja hyökyaalloista

Korja, A., Pesonen, L. J. & Beckmann, A., 2005, In: *Geologi*. 57, 2, p. 37-46 10 p.

Miksi maapallo tärisee?

Korja, A., Heikkinen, P. & Karkkulainen, K., 2005, In: *Dimensio*. 69, 4, p. 6-10 5 p.

Syväkairausta Itämerellä - haaveista totta tällä vuosituhannella?

Kotilainen, A., Hämäläinen, J., Kohonen, J., Korja, A., Mertanen, S., Ojala, J., Rämö, T., Sundblad, K. & Vaarma, M., 2004, In: *Geologi*. 56, 9-10, p. 204-207

Doctoral Thesis

Conference contribution 2013-2017

The Vaasa migmatitic complex: the birth, growth and death of a thermal dome

Chopin, F., Korja, A., Hölttä, P., Eklund, O. & Rämö, O. T., 2015, In: *Geophysical Research Abstracts*. 17, 1 p.

Development of an in-situ magmatic dome (Svecofennian accretionary orogen, Finland)

Chopin, F., Korja, A. & Hölttä, P., 2014, In: *Geophysical Research Abstracts*. 16

Lateral flow in the middle crust - Analogue experiments from the Svecofennian orogen

Nikkilä, K., Koyi, H., Korja, A. & Eklund, O., Apr 2013, In: *Geophysical Research Abstracts*. 1 p., EGU2013-10552.

Lateral spreading control over magmatism - an example from the Central Finland Granitoid complex

Nikkilä, K., Chopin, F. & Korja, A., Apr 2013, In: *Geophysical Research Abstracts*. 15, EGU2013-10712.

From a collage of microplates to stable continental crust - an example from Precambrian Europe

Korja, A., 2013, In: *Geophysical Research Abstracts*. 15, 1 p., EGU2013-9975.

Tectonometamorphic evolution of a large dome in the Svecofennian Paleoproterozoic accretionary orogeny

Chopin, F., Korja, A. & Hölttä, P., 2013, In: *Geophysical Research Abstracts*. 15, EGU2013-10231.