The Relevance of Artificial Intelligence in the Digital and Green Transformation of Regional and Local Labour Markets Across Europe

Perspectives on Employment, Training, Placement, and Social Inclusion

Edited by Dr. Christa Larsen, Dr. Jenny Kipper, Prof. Dr. Alfons Schmid and Prof. Dr. Marco Ricceri

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The last few years have brought major changes to regional and local labour markets.

Artificial Intelligence (AI) tools are a promising way to ensure the functionality of the labour market and, at the same time, to support continued growth in employment and strengthen the integration of many marginalised target groups into the labour market through social inclusion and protection.

This publication by the European Network on Regional Labour Market Monitoring illuminates the functionalities of AI tools for the improvement of labour market functions, especially with respect to fair and socially sustainable work. It presents known AI solutions and identifies existing gaps in this regard. It is also of interest how public employment services could use AI tools to shape their 'new' role as regional and local nodes in labour market monitoring and their consulting role for labour market actors.

More than 30 authors from different European countries and beyond describe their experiences and approaches in the context of their use of AI with a special focus on regional and local labour markets, target groups, and specific sectors and industries.

With contributions by

Dr Moreno Baruffini, Caroline Berger-Konen, Dr Ernesto Dario Calò, Prof. Dario Cavenago, Dr Ettore Colombo, Laurence Dévaud, Malvina Ficai Veltroni, Prof. Renato Fontana, Dr Iwona Ganko, Anna Clara Gatti, Anna Giabelli, Dr Dorit Griga, Dr Eva Jansova, Javier Armaolea Juaristi, Dr Jenny Kipper, Dr Christa Larsen, Elena Magrini, Prof. Mattia Martini, Prof. Fabio Mercorio, Prof. Mario Mezzanzanica, Julia Nania, Dr Gabriela Negoiță, Layla O'Kane, Borja Pulido Orbegozo, Prof. Ciprian Panzaru, Mauro Pelucchi, Simone Perego, Prof. Marco Ricceri, Ralitsa Savova, Prof. Alfons Schmid, Dr Bledi Taska, Dr Francesco Trentini, Dr Aleksandra Webb and Linda Weßler.

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Diese Veröffentlichung des European Network on Regional Labour Market Monitoring analysiert die Funktionalitäten von KI-Tools zur Verbesserung der Arbeitsmarktfunktionen, insbesondere im Hinblick auf faire und sozial nachhaltige Arbeit. Es stellt bekannte KI-Lösungen vor und identifiziert diesbezüglich bestehende Forschungslücken.

Mehr als 30 internationale Autor:innen beschreiben ihre Erfahrungen und Herangehensweisen im Kontext ihres Einsatzes von KI mit besonderem Fokus auf regionale und lokale Arbeitsmärkte, Zielgruppen sowie spezifische Branchen und Industrien.

Mit Beiträgen von

Dr Moreno Baruffini, Caroline Berger-Konen, Dr Ernesto Dario Calò, Prof. Dario Cavenago, Dr Ettore Colombo, Laurence Dévaud, Malvina Ficai Veltroni, Prof. Renato Fontana, Dr Iwona Ganko, Anna Clara Gatti, Anna Giabelli, Dr Dorit Griga, Dr Eva Jansova, Javier Armaolea Juaristi, Dr Jenny Kipper, Dr Christa Larsen, Elena Magrini, Prof. Mattia Martini, Prof. Fabio Mercorio, Prof. Mario Mezzanzanica, Julia Nania, Dr Gabriela Negoiță, Layla O'Kane, Borja Pulido Orbegozo, Prof. Ciprian Panzaru, Mauro Pelucchi, Simone Perego, Prof. Marco Ricceri, Ralitsa Savova, Prof. Alfons Schmid, Dr Bledi Taska, Dr Francesco Trentini, Dr Aleksandra Webb und Linda Weßler.

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