

Quantitative Asset and Risk Management (ARIMA) research strategy

The ARIMA degree programme is integral to research conducted in the **Financial Market Development and Regulation** field. Topics related to regulatory reporting and reporting frameworks for banks and insurers are becoming the focus of attention in this new line of research. The most recent financial crisis has primarily left its mark in terms of the reporting systems facing banks and insurance companies. The new European bank regulation framework (centred on the EBA and the ECB) has brought about a fundamental change: under the Single Supervisory Mechanism (SSM), it is the ECB that has primary responsibility for bank regulation, not the national authorities. Reporting requirements are centrally managed by the EBA, which has developed all of the reporting templates. Internationally, work is already under way regarding Basel IV requirements.

Research also covers the IFRS 9 accounting standard, which provides only for model-based measurement methods based on actuarial and quantitative approaches.

Our researchers in this new area are currently working on the second edition of their book on the new-look reporting framework for European financial institutions, "Meldewesen für Finanzinstitute – was bringt die neue europäische Aufsicht?". It is designed to give professionals, lecturers and researchers an overview of the diverse and constantly expanding reporting requirements for financial institutions. Other topics of research include systemic and systematic risk in liquidity risk management, as well as reporting systems for pension funds.

In addition to these two projects, the degree programme's applied R&D will concentrate on further projects (involving master students writing their theses) looking at the implementation of reporting regulations and the optimisation on the part of financial service providers. The ARIMA programme also provides courses related to this topic. As a result, applied research methods and the findings they generate can feed directly into teaching on the degree programme.