MODULE 2

Applying the EU MiCA Regulation in Crypto-Asset Activities:
A Practical Approach Grounded in Blockchain and Compliance Fundamentals
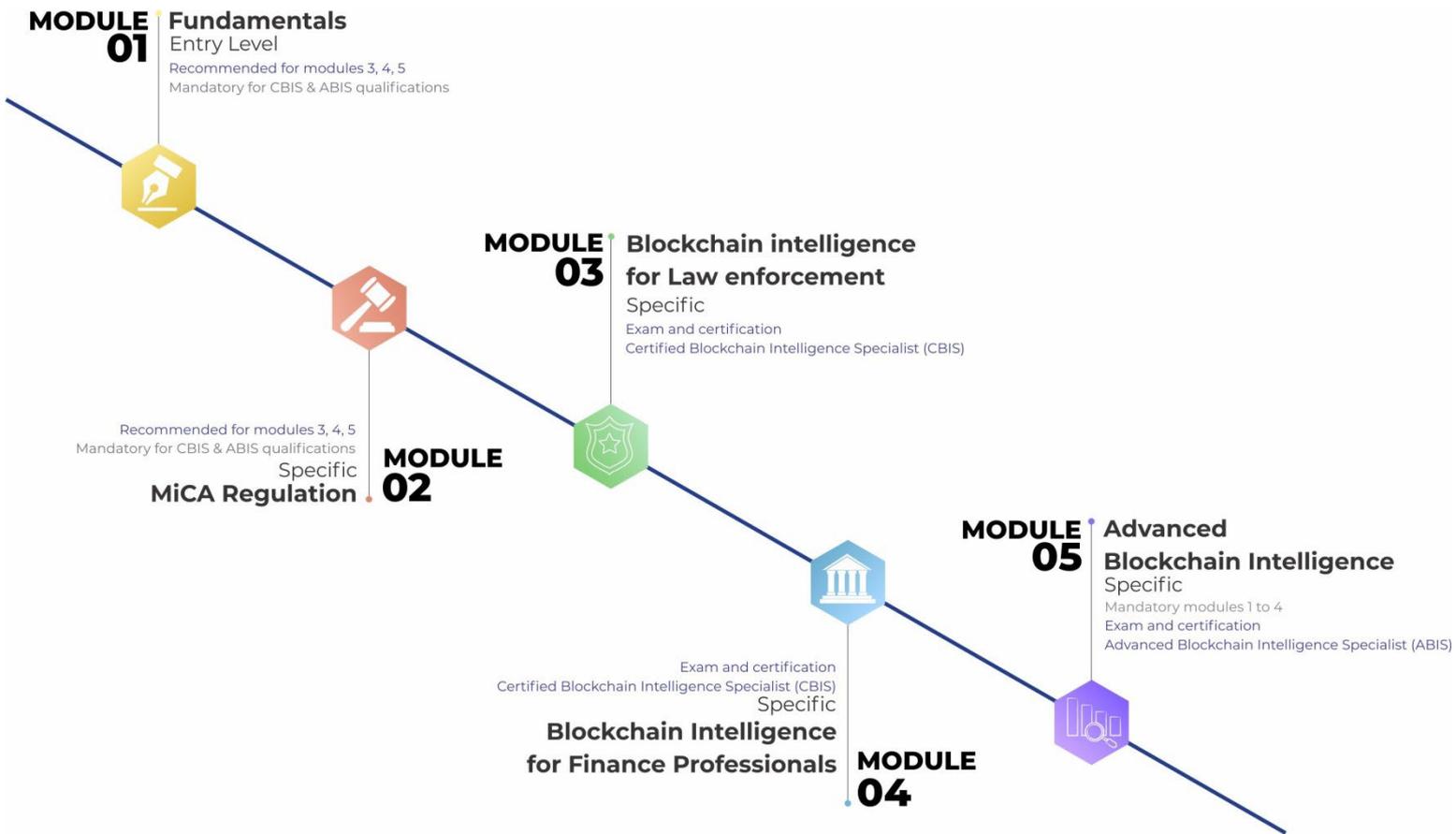
Module 2:

Applying the EU MiCA Regulation in Crypto-Asset Activities: A Practical Approach Grounded in Blockchain and Compliance Fundamentals

This introductory course is part of the 5 general training modules within the "Blockchain Intelligence" specialization and is specifically designed for individuals without technical experience who wish to understand essential theoretical and practical knowledge about blockchain technology and the **new Regulation on Markets in Crypto-Assets (MiCA – EU 2023/1114).**
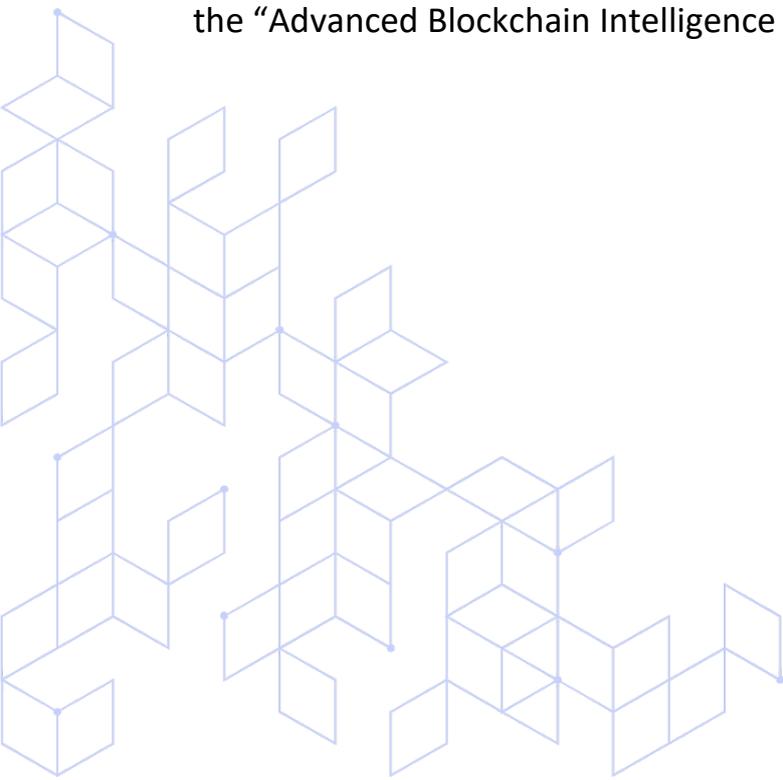
The program combines clear and accessible theoretical explanations with practical examples, simple case studies, and real industry scenarios. Participants will gain basic competencies related to blockchain functionality, types of crypto-assets and their operations, compliance, and authorization procedures under MiCA.

The course is interactive, delivered in English for an international audience, and integrates theoretical aspects such as blockchain technology, crypto-asset classification, and regulatory principles with practical components using a blockchain analytics platform. Participants will be guided step-by-step through compliance examples, case studies, and discussions on the challenges and opportunities presented by the MiCA Regulation.

All participants will have access to the blockchain intelligence software provided by ChainArgos throughout the course and up to 15 days after its conclusion, to consolidate their knowledge and further explore the practical application of the Markets in Crypto-Assets Regulation (MiCA – EU 2023/1114).

MODULE
01
Fundamentals
Entry Level
Recommended for modules 3, 4, 5
Mandatory for CBIS & ABIS qualifications

MODULE
03
**Blockchain intelligence
for Law enforcement**
Specific
Exam and certification
Certified Blockchain Intelligence Specialist (CBIS)

Recommended for modules 3, 4, 5
Mandatory for CBIS & ABIS qualifications
Specific
MiCA Regulation
MODULE
02

MODULE
05
**Advanced
Blockchain Intelligence**
Specific
Mandatory modules 1 to 4
Exam and certification
Advanced Blockchain Intelligence Specialist (ABIS)

Exam and certification
Certified Blockchain Intelligence Specialist (CBIS)
Specific
**Blockchain Intelligence
for Finance Professionals**
MODULE
04

We recommend participation in the first two training modules of the Blockchain Intelligence Academy to support the understanding of foundational concepts and to prepare for the exam that grants the "Blockchain Intelligence Specialist" certification. We also encourage participation in all five training modules to obtain the "Advanced Blockchain Intelligence Specialist" certification.

COURSE OBJECTIVES

This course aims to provide professionals with essential theoretical and practical knowledge about blockchain technology and the **new Markets in Crypto-Assets Regulation (MiCA – EU 2023/1114), enabling them to:**

- Analyze and interpret the classification and legal treatment of crypto-assets;
- Apply MiCA provisions in real-world compliance scenarios;
- Advise clients or institutions on obligations and strategies for implementing MiCA;
- Anticipate risks and opportunities for crypto-related businesses under the new legal framework;
- Use blockchain intelligence methods to trace transactions, detect illicit activities, and support regulatory and compliance investigations.

TARGET GROUP

This course is intended for:

- **Legal professionals**: notaries, lawyers, consultants who want to gain expertise in MiCA compliance;
- **Public officials and regulators**: aiming to implement or supervise the enforcement of MiCA standards;
- **Financial and banking professionals**: bankers, analysts, fintech operators integrating crypto-assets into traditional services;
- **Crypto industry representatives**: needing to align operations with MiCA requirements and prepare authorization strategies;
- **Interested professionals**: from any field, seeking to understand the legal and economic role of crypto-assets in the context of EU regulation—no prior technical knowledge required.

COURSE CONTENT

1. Blockchain fundamentals for regulatory application

- Introduction to blockchain technology and its core principles (Basic definitions and principles of how blockchain works; the concept of decentralization and data distribution)
- Consensus mechanisms and blockchain security (Overview of consensus mechanisms – Proof of Work, Proof of Stake, etc.; Cryptography and blockchain-specific security elements)
- Structure and functioning of the blockchain (Process of transaction recording and verification; immutability and transparency of the distributed ledger)
- Blockchain applications (beyond crypto-assets) (Examples in logistics, healthcare, governance; the concept of smart contracts and their potential)

2. Types of crypto-assets and their functionality

- Types of crypto-assets – cryptocurrencies, stablecoins, tokens (Definitions and classification: cryptocurrencies, stablecoins, various types of tokens; Representative examples such as Bitcoin and Ethereum)
- Functionality of crypto-assets – how they work (digital wallets, transactions, mining process); the role of stablecoins and commercial uses of tokens
- Risks and challenges in using crypto-assets (Volatility, security, potential fraud; Technological and economic risks)
- Impact of crypto-assets on financial markets (The relationship between crypto-assets and traditional financial markets; Crypto-assets as tools for investment and financing)

3. Evolution of crypto regulations and overview of the MiCA Regulation
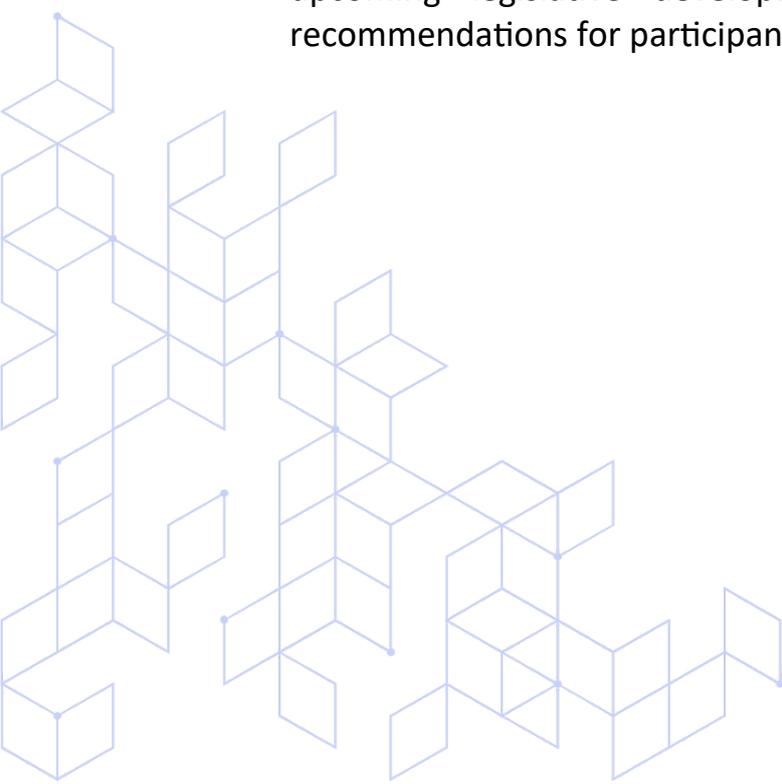
- Historical evolution of crypto regulations (Initial international regulations – USA, Japan, Switzerland; The impact of financial crises on regulatory approaches)
- Comparative analysis of global crypto regulations (Regulatory frameworks in the U.S. – SEC, CFTC – and other jurisdictions – Switzerland, Japan, U.K.; Differences in approach between EU member states and non-EU countries)
- History and development of the MiCA directive (Motivations and context for MiCA; Key milestones and implementation timeline)
- MiCA Regulation in the global context – comparison with other regulations (Similarities and differences compared to regulations in the U.S. and Asia)

4. Compliance and authorization procedures under MiCA

- Compliance and authorization requirements in MiCA (Authorization procedures for issuers and crypto service providers; Transparency, reporting, and other legal obligations)
- ICO and crypto-asset issuance regulation (Rules on public offerings of crypto-assets – ICOs; Specific requirements for stablecoins and other token categories)
- Consumer protection and risk management (Consumer protection measures under MiCA; Risk assessment and management for investors and crypto service providers)
- The impact of MiCA on the EU crypto industry (Practical implications for operators and service providers; Emerging challenges and opportunities in the European crypto market)

5. Practical case studies and implementation challenges

- Case study – a crypto project regulated under MiCA (Analysis of a project aligned with MiCA requirements; Identifying strengths and implementation challenges)
- Compliance in practice – challenges and solutions (Examples of real-world issues in aligning with MiCA; Presentation of tested solutions and available resources)
- Role of European and national authorities in monitoring MiCA (Involvement of supervisory entities in verification and compliance assurance)
- The future of crypto regulation – challenges and opportunities (Debate on upcoming legislative developments worldwide; Final conclusions and recommendations for participants)

TRAINER

Cristina Carata

With 10 years of experience in the WEB3 space, Cristina is a PhD researcher at Imperial College London at the Centre for Cryptocurrency Research and Engineering. Her internationally recognized research has been published in peer-reviewed journals and can be found in databases such as Springer-Nature, IEEE, or ACM, reflecting a strong contribution to advancing scientific knowledge in the field.

With extensive experience analyzing the operational mechanisms of crypto markets and their legal implications, Cristina offers a unique perspective at the intersection of technological innovation and emerging regulation. As a trainer in the MiCA Regulation course, she blends a rigorous academic approach with practical examples and relevant case studies.

Her expertise extends beyond academia, being known for her contributions to international conferences and for her consultancy work with organizations seeking to adopt, implement, or adapt blockchain solutions. With a dynamic and application-focused teaching style, Cristina shares her knowledge and experience to equip professionals with the ability to understand and apply sound principles on crypto-assets and European regulation.

COURSE DURATION

The course will take place over one full training day (in-person, online or hybrid). Registration is done by completing the registration form.

COMPETENCY DEVELOPMENT

Participants will receive a Certificate of Completion issued by ICI Bucharest, which includes Continuing Professional Development (CPD) credits and a descriptive supplement listing the specific competencies acquired.

This training module is recommended for those who wish to later attend the practical course modules of the Blockchain Intelligence Academy, which lead to the **"Blockchain Intelligence Specialist" certification**, and subsequently automatic membership in the **Blockchain Intelligence Professionals Association (BIPA)**, which aims to develop an international community of blockchain intelligence professionals.

PARTICIPATION FEE

For course fees and further details, please contact us by email.

Details regarding the program's schedule and registration procedures can be obtained at the email address: office@ici.ro

About the ChainArgos blockchain intelligence software

ChainArgos is a blockchain intelligence company, recognized for uncovering the undercollateralization of $1.4 billion in stable crypto-assets (BUSD) on the global Binance platform.

ChainArgos offers advanced blockchain intelligence solutions focused on analyzing financial transaction details. These solutions facilitate investigations and economic analysis by providing objective insights into the logic behind complex transaction flows.

The company collaborates with financial institutions, regulators, law enforcement agencies, research institutes, universities, and crypto-asset service providers worldwide. ChainArgos is also supported by renowned media institutions such as Bloomberg, Wall Street Journal, Forbes, Fortune, Thomson Reuters, and South China Morning Post.

Participants in this training program will have access to the ChainArgos blockchain intelligence platform during the course and up to 15 days after its completion.

ChainArgos.com

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