Welcome! We will begin shortly...

Become a member of the Microinsurance Network

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How to Join?

Contact us at info@microinsurancenetwork.org
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Connect. Participate. Influence
Blockchain technology for inclusive finance

Can it add value to microinsurance organisations?

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RISKebiz
Inclusive Finance Blockchain Solutions

www.riskebiz.com

www.microinsurancenetwork.org
1. What is blockchain technology?
2. Will it disrupt the market?
3. Why is blockchain interesting for microinsurance?
   - What types of risks are suited to be covered?
   - For what aspects in insurance?
4. What are the costs?
   - Cost benefits?
5. Answering questions
Housekeeping Items

- Today’s **Expert Forum** is scheduled to last **1 hour** including Q&A

- To ensure the highest quality of experience, **participants will be muted**

- **Slides** and a **recording** of this presentation will be **circulated later**
  We will also aim to address any **questions left unanswered** via email

- Message the Microinsurance Network via **Q/A** for any **technical issues**

- **QUESTIONS** can be submitted via the **CHAT feature** = selection chosen (if time permits)

[www.microinsurancenetwork.org](http://www.microinsurancenetwork.org)
Speakers:
Michiel Berende
Co-Founder
RISKebiz Inclusive Finance Blockchain Solutions B.V.

Kevin Day
Co-Founder
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Moderator:
Annette Houtekamer
Microinsurance Expert, Microinsurance Network

www.microinsurance network.org
We use blockchain based technologies to address challenges typical for inclusive finance

Our services

• Consultancy
• Blockchain technology development (smart contracts, tokens, financial messaging, bots)
• Project management & implementation services
• Internet of Things Lab
1. What is Blockchain Technology?

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What is blockchain technology?

- **P2P** - enables person to person transfer of digital assets without intermediary or middleman i.e. bank
- **Decentralized** - no centralized authority
- **Bitcoin** - first example of blockchain technology, and by far the most widely used and tested.

**Bitcoin** - “Magic Internet Money”

Digital Assets can be any type of binary file like images, text and of course bitcoin.
Disintermediation

Decentralization enables disintermediation.

The middleman (bank, transfer agent, broker) is no longer required.
2. Will it disrupt the market?

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Agreements and contracts can be converted to code called “smart contracts” which automatically execute functions previously performed by an individual.
3. Why is blockchain technology interesting for microinsurance?

Can it add value to microinsurance organisations?
Why is blockchain interesting to microinsurance?

- Smart contracts well suited to simplicity of many microinsurance risks:
  - Easy to underwrite and adjust;
  - Small premiums and claim amounts;
  - High volume transactions.

- Addresses unique challenges like moral hazard.

- Technology developed has applications in more traditional markets for insurers.

- Open up new markets (blue ocean of opportunities).
Applications for blockchain in insurance

- Claims
- Usage based insurance
- Trust
- (Prediction markets)
Internet of Things

- Agricultural applications – soil moisture sensors, irrigation;
- Industrial automation;
- Drones;

Solar powered soil sensor relaying data.
Cool example of IoT in action

Vayu drones in Madagascar delivering medical samples from a remote village.
Putting it all together

Blockchain Based Risk Pool

Central Reserve (multisignature wallet)

- Smart Contract: Ensures minimum capital ratio levels are maintained.
- Smart Contract: Processes incoming data.
- Smart Contract: Receive incoming payment and issue policy.
- Smart Contract: Issue claim payments based on data triggers.

Premium payments
Claim payments (as tokens)

Fronting company may be required here.

Insured (Farmer) Insured (Farmer) Insured (Farmer) Insured (Farmer) Insured (Farmer)

Satellite Data
Information on drought conditions.

Other External Data
(ground sensors, local weather data, crop yield report data, historical crop data, etc.)

Farm Inputs
(seed, fertilizer, etc.)
4. What are the costs?

Can it add value to microinsurance organisations?
An idea of cost

- Variables include:
  - Reliability and availability of data inputs;
  - Hardware costs for sensors and other IoT;
  - In house vs outsourcing (blockchain specialists are in demand);
  - Overall scope of project;
  - Hardware costs for sensors and other IoT;
  - Prepare to be first mover.
Questions & Discussion

Can it add value to microinsurance organisations?

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Questions & Discussion

Categories

- What is blockchain technology?
- What are technological requirements?
- Why is blockchain interesting for microinsurance?
- Costs?
- Use cases?
- Regulation?
Thank you for your participation!

Have you enjoyed this Expert Forum? Why not attend our next one?

November 9, 2-3pm CET

Champions in microinsurance: How to improve performance?

Where we speak with organisations who have been able to excel in one or more performance areas in MI, and uncover what strategies and processes are driving their success.

Click here to find out more and secure your spot

Click here to suggest a topic for an upcoming Expert Forum

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