



Volatility: your Enemy or your Friend?

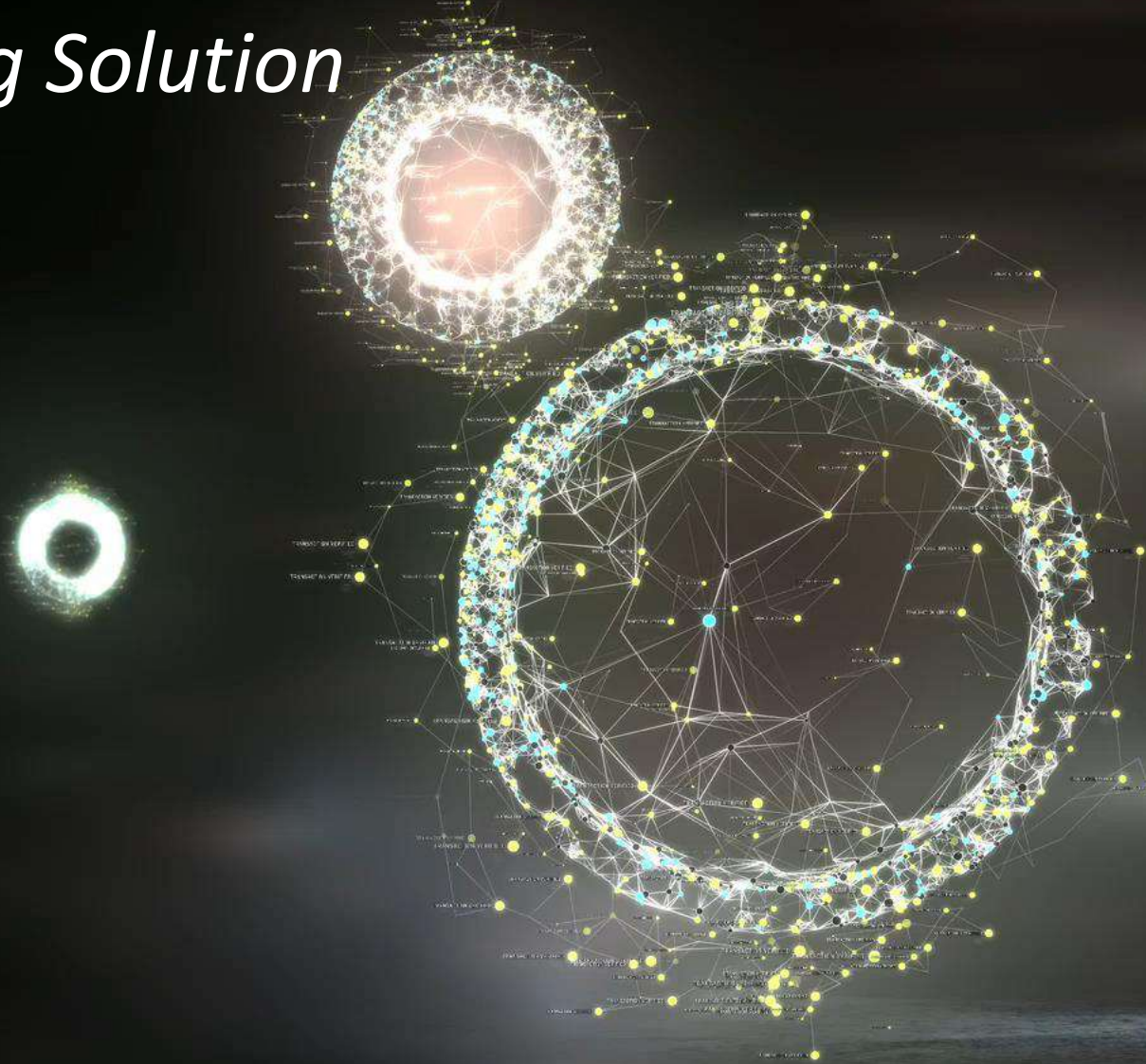
A Deep Learning Solution

The EBSOMED project is led by BUSINESSMED within a consortium consisting of 6 partners.



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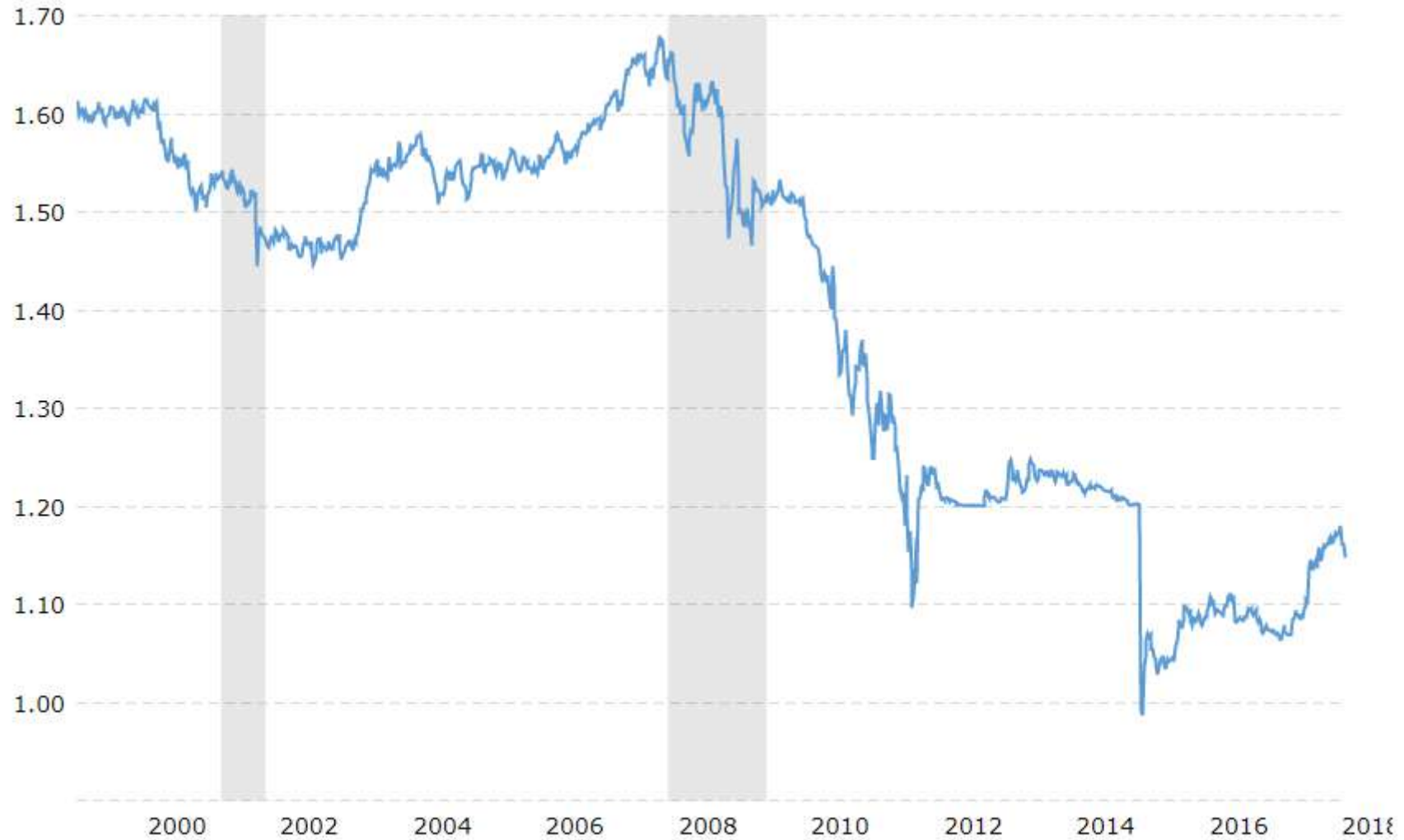


Is Bitcoin really more volatile than fiat currency?



Quiz Time!

Which currency pair is this?




Which currency pair is this?



Which currency pair is this?



A dramatic night photograph of a lightning bolt striking a body of water. The lightning bolt is bright white and jagged, extending from the top center of the frame down to the water's surface. The background is a dark, stormy sky with other faint lightning bolts. In the distance, a city skyline is visible with various lights, including a prominent green light display. The foreground shows the dark water of the lake or sea.

Deep Learning is

the new electricity

Andrew Ng, Stanford

When Deep Learning meets Cryptocurrency Market?

- ***Deep Learning*** models can manage any types of data like Text, Time series, Images etc
- **Big Data** and **Deep Learning** have scalable Architectures.
- **Volatility** can be kept under control using different models for each of the data sources

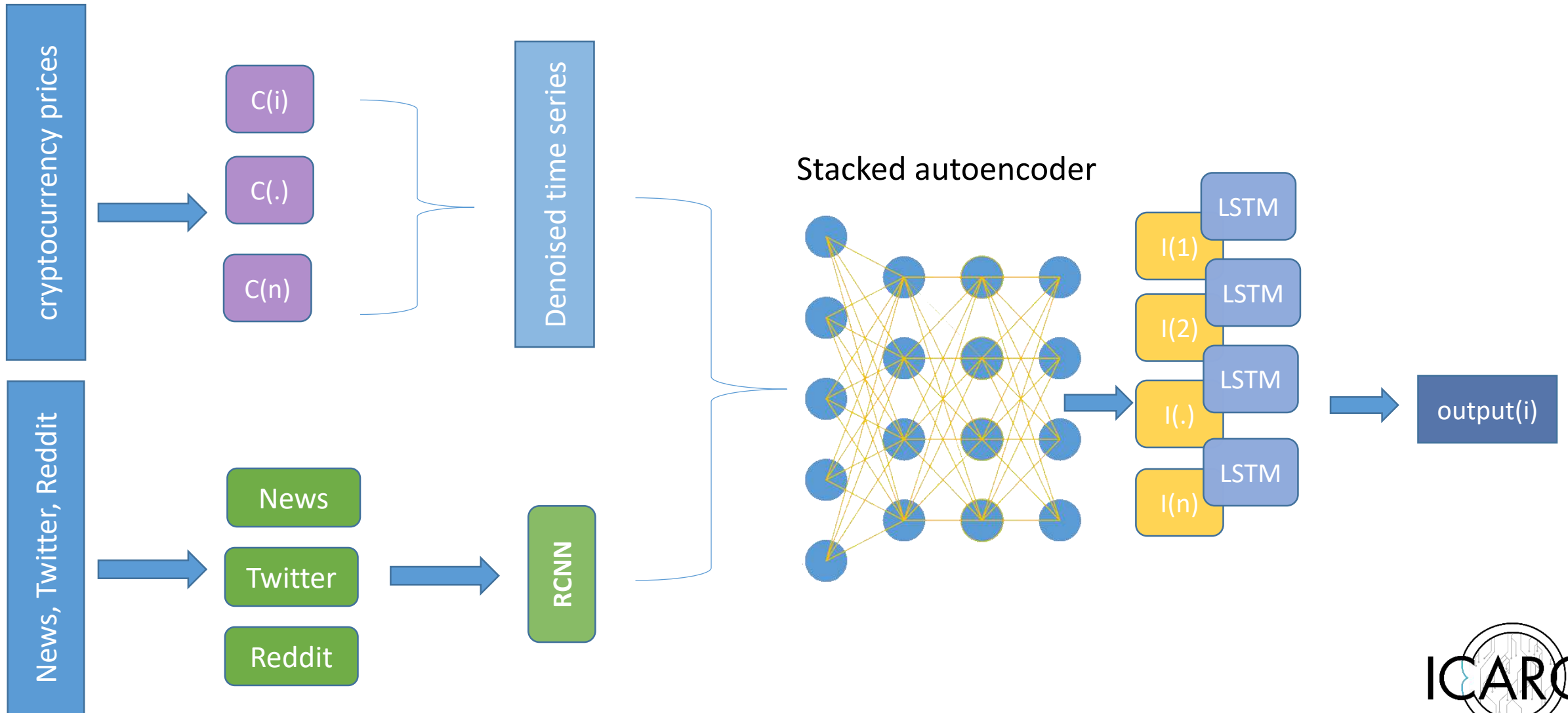


IDEA

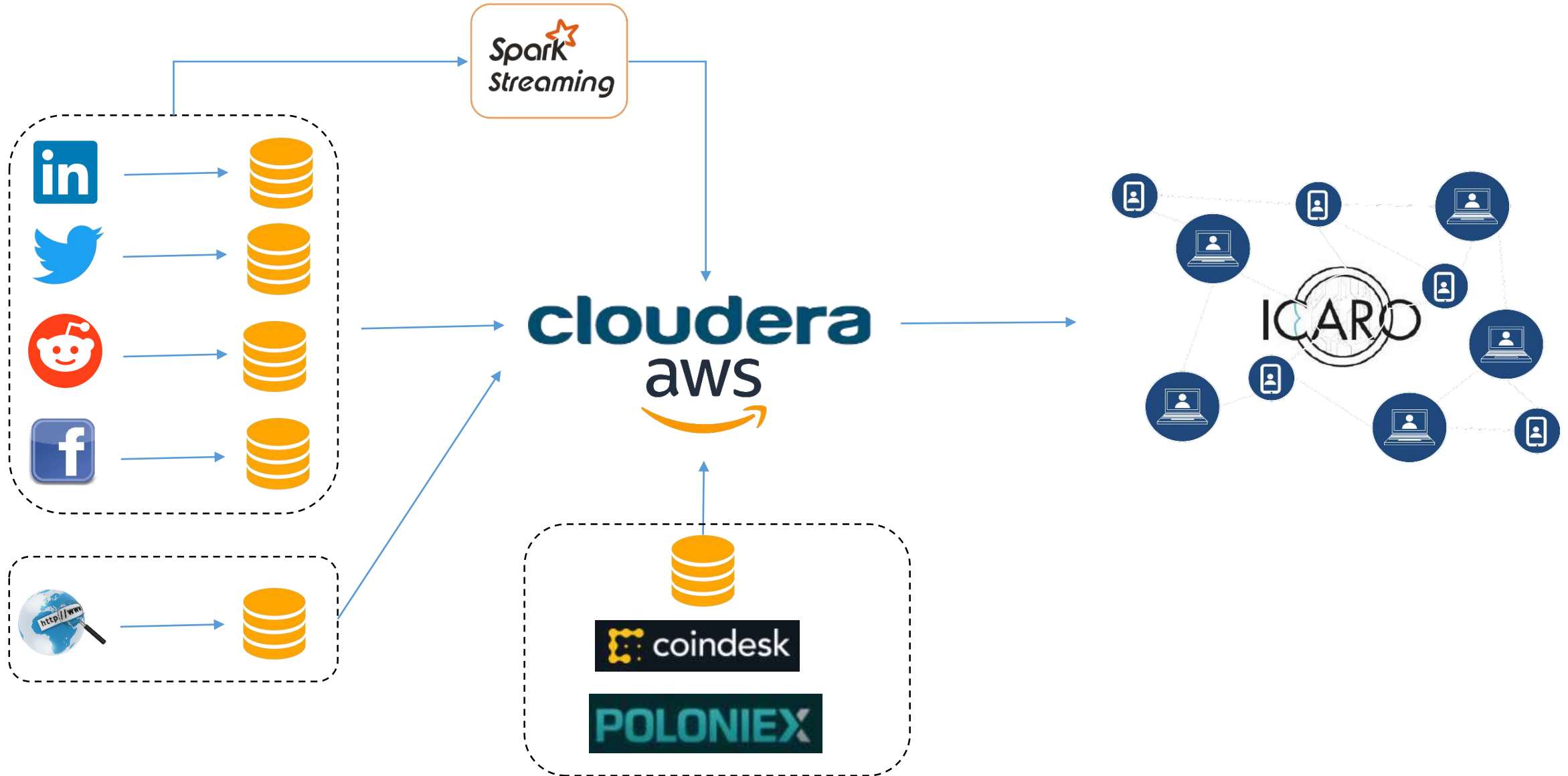
ICARO AI Solution

- Using **RCNN** we produce a sentiment time-series for each textual sequence which is inserted as input to **WSAEs-LSTM**.
- Deep Learning time-series model called **WSAEs-LSTM**
- The high accuracy of **RCNNs** and **WSAEs-LSTM** enables us to reach excellent levels of cryptocurrencies predictions.

ICARO AI model



ICARO AI Scalable Architecture Design



ICARO AI Solution

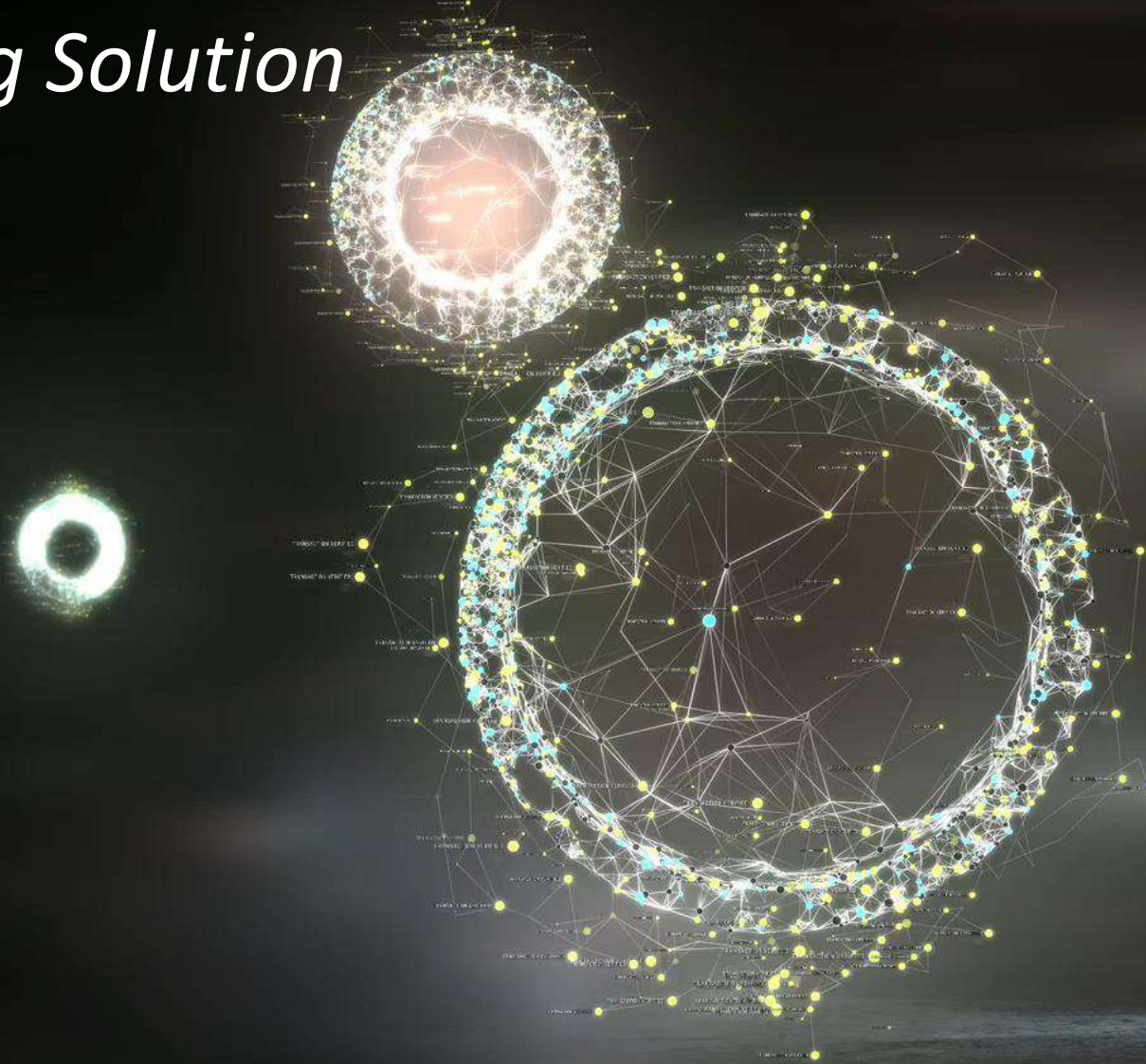
- Time series prediction on cryptocurrency prices historical data (50 mln)
- Multilingual Sentiment Analysis on Twitter/Reddit (5 mln)
- Multilingual Sentiment Analysis on news (50K news)
- Real-time Analysis
- Intelligence (top trader)

ICARO AI new features

- Chatbot
- Wallet Management using Deep Reinforcement Learning
- Blockchain Platform
- Text Summarization for financial news
- Facebook /Linkedin /Google Trends API
- Bloomberg API (Technical Indicators)

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**Want to continue the conversation
about deep learning and volatility?**

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