SWITCHaai Info-Day 2006 - 21.11.06

MarMix & SWITCHaai

Application of SWITCHaai in a prediction market

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| le savoir vivant |

Agenda

- **Prediction Markets**
  - What is a prediction market?
  - How does it work?
  - Who's in the prediction business?

- **SWITCHaai**
  - MarMix@UNIL
  - MarMix@MICS
  - SWITCHaai benefits for MarMix
  - What we solved outside SWITCHaai

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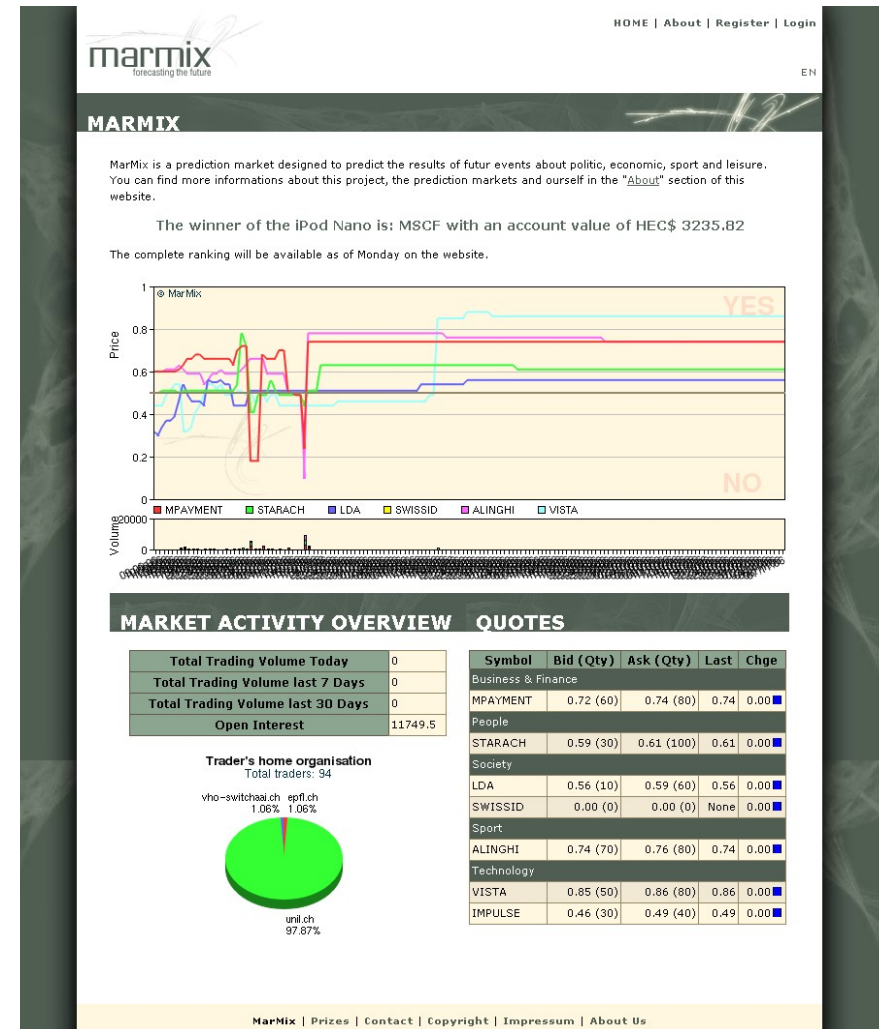
What is a prediction market?

- Prediction markets are **speculative markets** inspired by the **future exchanges** created for the purpose of **making predictions**.

- Assets are created whose **final cash value** is tied to a **particular event** or **parameter**.

- The **current market prices** (fixed by the bidding and asking prices) can then be interpreted as **predictions of the probability** of the event or the expected value of the parameter.
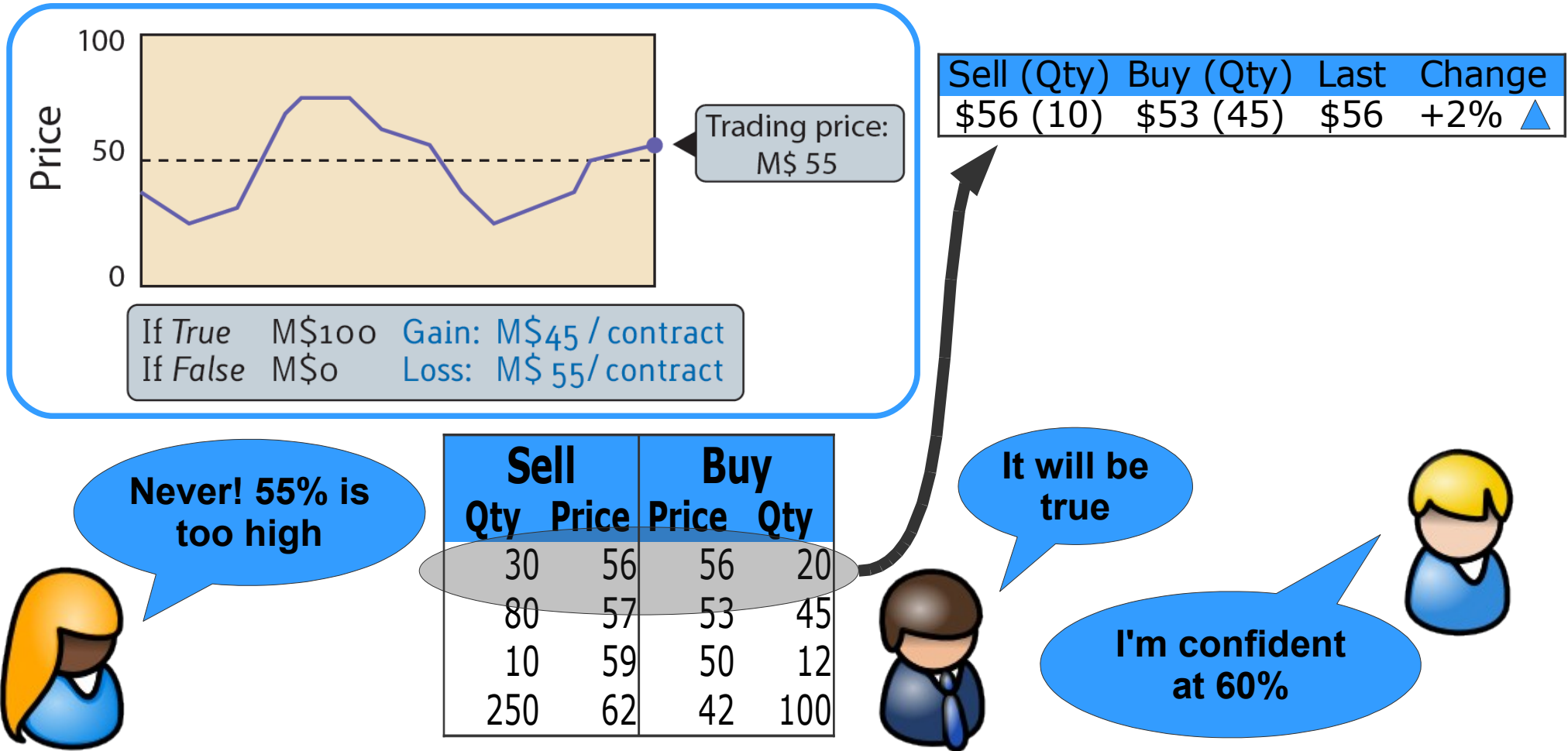
Vista will be launched before the 22.12.06, whatever is the version, or the distribution method, or the country, or the format, or the available quantities, etc....

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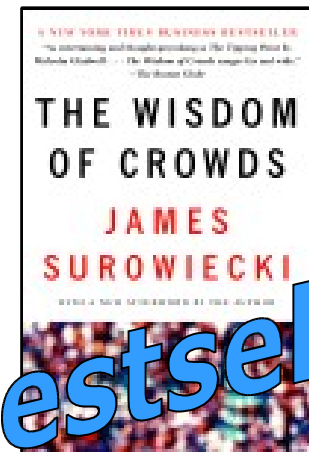
How does it work?

« SWITCHaai is implemented in 200 applications till the end of 2008 »

Who's in the Prediction Business?

Prediction markets are gaining traction elsewhere in the Fortune 500, trying prediction markets to divine everything from the future price of LCD TVs to the number of consumers, who will buy forthcoming products.

MarMix@UNIL

- Allow only one account per student ▶ Students can share a **dedicated** account

- Give access to all students (UNIL + EPFL & mobilite) and partners (medias) ▶ **LDAP.unil.ch** do not integer non-UNIL people

SWITCH*aai*

▶ **Difficult to share** (give access to personal informations)

▶ Allow virtually **all swiss students** to participate

▶ Possibility to **include non academic partners** via VHO

MarMix@MICS
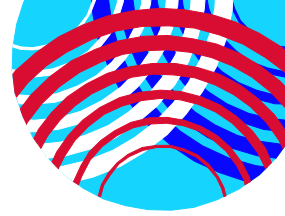
NFS NCCR with 7 academic partners

- Guarantee the confidentiality of the market → Need a strong identification of the users

- Limit user administration (180 users) → Delegate the user administration to third-party

SWITCHaai

▶ **Strong identification** by Home Organizations

▶ **User administration** by Home Organizations

▶ Possibility to **include non academic partners** via VHO
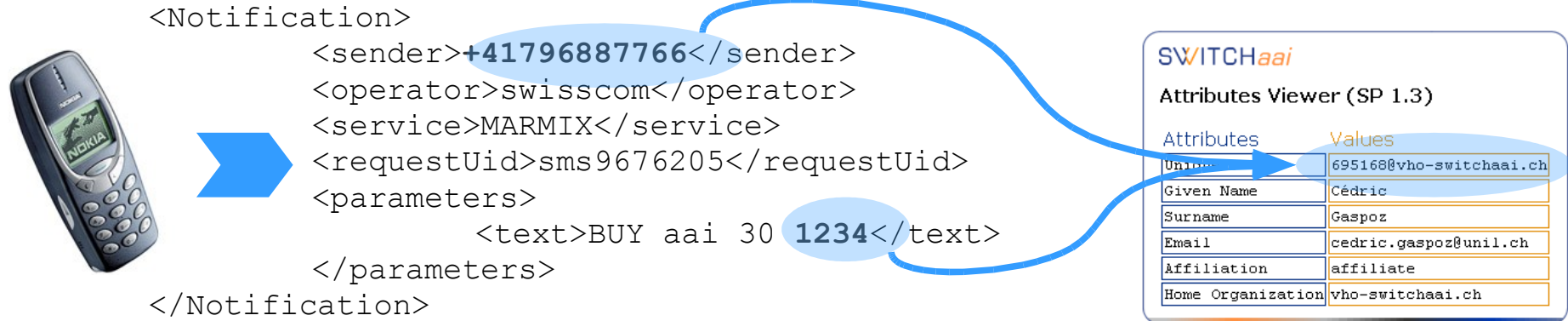
SWITCHaai benefits for MarMix

SWITCH*aai*

▶ Focus on our core business by **delegating user management** to third-party

▶ Enable **inter-organizational** collaboration

▶ **Trusted** user identification

▶ **Easy to deploy** and maintain

▶ Possibility to **include non academic partners** via VHO

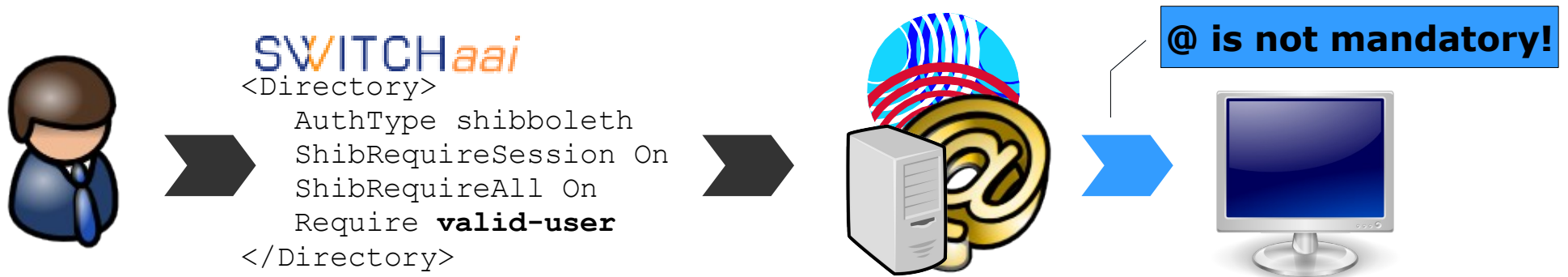▶ **User friendly** authentification (single log in/on)

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What we solved outside SWITCHaai

- **Mobile authentication** for SMS trading
  - Using the **mobile number** and a **PIN code** as log in

```
<Notification>
    <sender>+41796887766</sender>
    <operator>swisscom</operator>
    <service>MARMIX</service>
    <requestUid>sms9676205</requestUid>
    <parameters>
            <text>BUY aai 30 1234</text>
    </parameters>
</Notification>
```

SWITCHaai
Attributes Viewer (SP 1.3)

Attributes	Values
Uni...	695168@vho-switchaai.ch
Given Name	Cédric
Surname	Gaspoz
Email	cedric.gaspoz@unil.ch
Affiliation	affiliate
Home Organization	vho-switchaai.ch

- Managing **authorization on a user basis**
  - AAI [no restrictions] && MarMix [restrict to specific users]

SWITCHaai

```
<Directory>
    AuthType shibboleth
    ShibRequireSession On
    ShibRequireAll On
    Require valid-user
</Directory>
```

@ is not mandatory!

Questions? / Remarks?

marmix.unil.ch

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