Personalized Social Connectivity and Reputation

Ethereum
Steemit
Golos.io
Google+
VKontakte
Facebook

Leader

Friend
Colleague

Follower

Every thing
for every one
AIGENTS.COM

Monitoring dynamics in online networks with Aigents platform

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Standing Questions

- Are we parts of huge, planet-size computer, performing some unknown task?

- Do we want to have understanding of the programs being uploaded to it an executed by us?

- Do we want to have a bit of control over the tasks being executed?

Social Computing Systems

Collective intelligence is phenomena or emergent cooperation of multiple individual autonomous agents interacting on basis of social consensus.

Consensus is mechanism enabling multiple independent members of society to cooperate towards reaching shared beneficial goals.

Human Brain and Human Community

~80 billion neurons,
~16 – in neocortex

~100 m/s – speed of neural signal transmission

~1 ms – time to transmit signal between brain hemispheres

~1 ns – time to transmit signal between columns in the cortex

Control roles of cells in human body is differentiated to cells of central neural system (~0.2% of total amount) and the rest

~8 billion people on Earth,
~3.5 – connected online

~300000000 m/s – speed of electromagnetic waves

~100 ms – time to transmit signal between earth hemispheres

~1 ns – time to transmit signal within data center

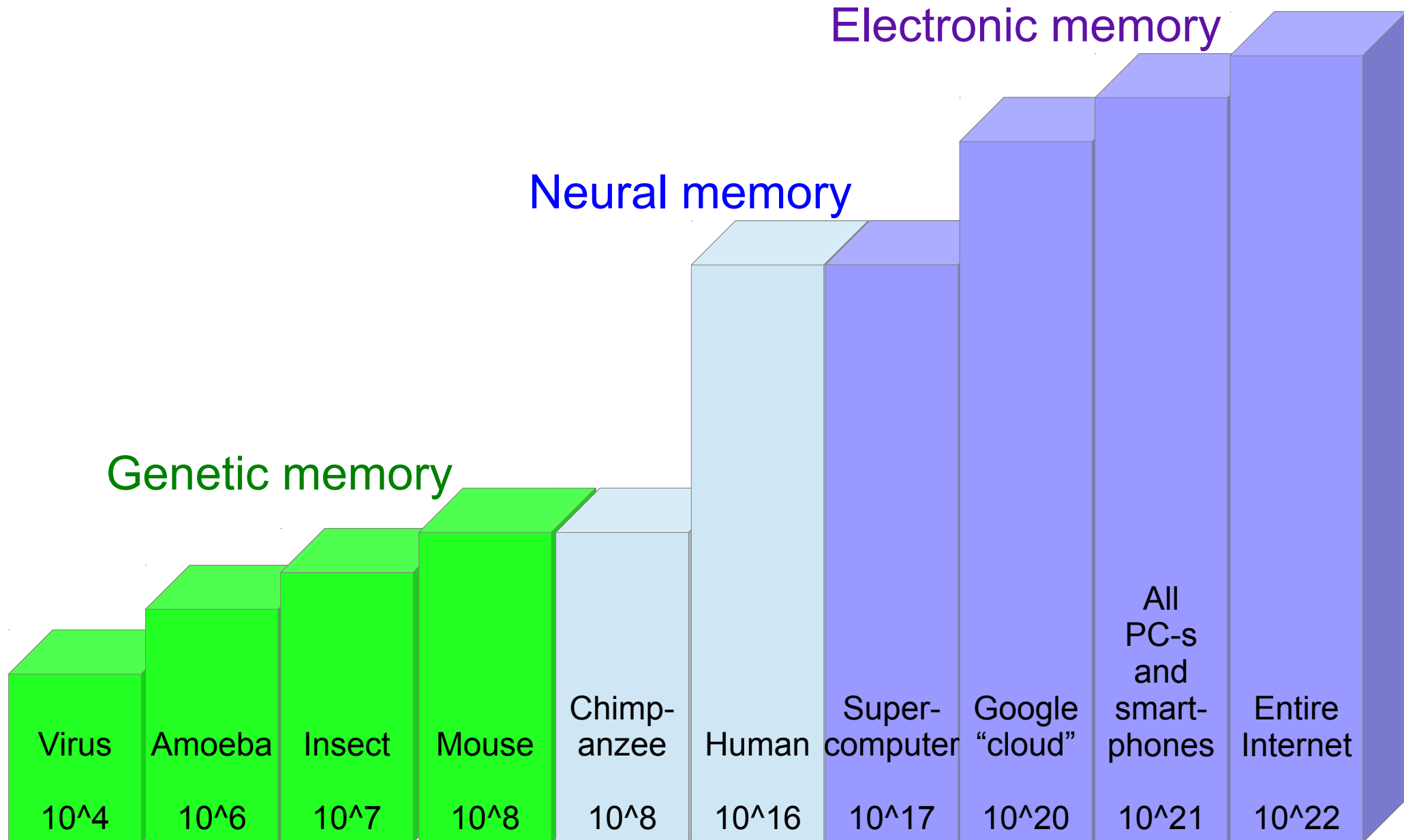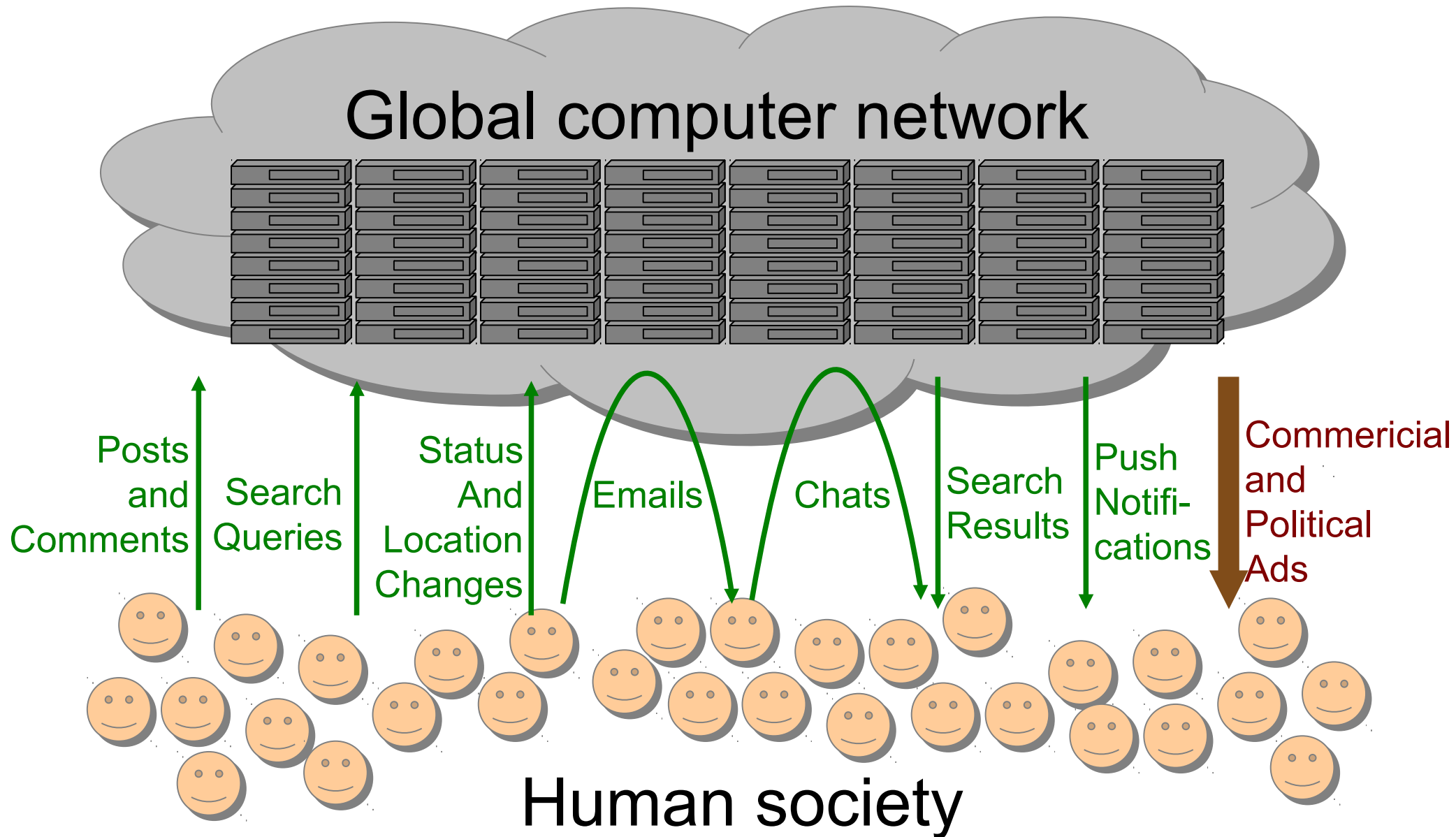Control role of humans in society is differentiated to managing elites (~0.7% USD millionaires of population) and manageable audience

Evolution of memory capacity, bits

Electronic memory

Neural memory

Genetic memory

Virus	Amoeba	Insect	Mouse	Chimp-anzee	Human	Super-computer	Google "cloud"	All PC-s and smart-phones	Entire Internet
10^4	10^6	10^7	10^8	10^8	10^{16}	10^{17}	10^{20}	10^{21}	10^{22}

Hybrid human-machine social computer ("global brain") overall architecture

People connected to "planetary intelligence" monthly: Google+Facebook – worldwide, VK – in Russia WeChat+Baidu+QQ etc. - in China
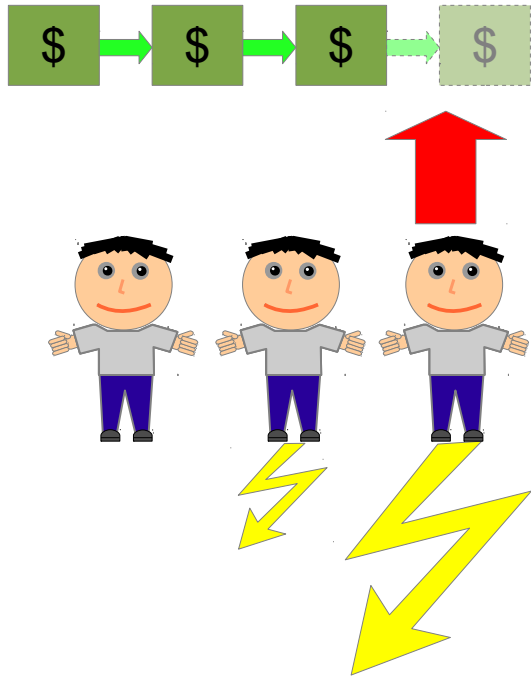

80 million

2 billion

1.5 billion
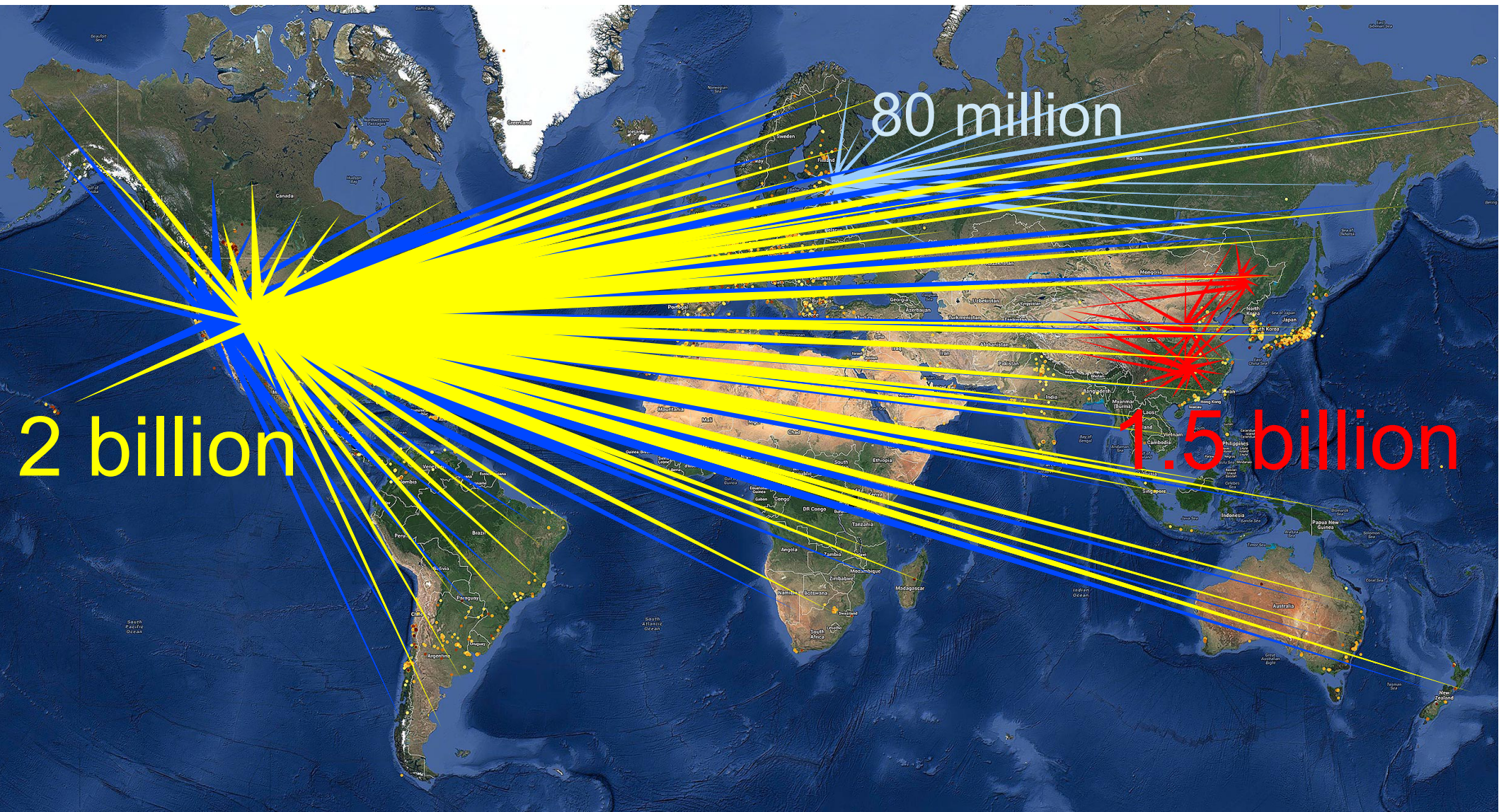
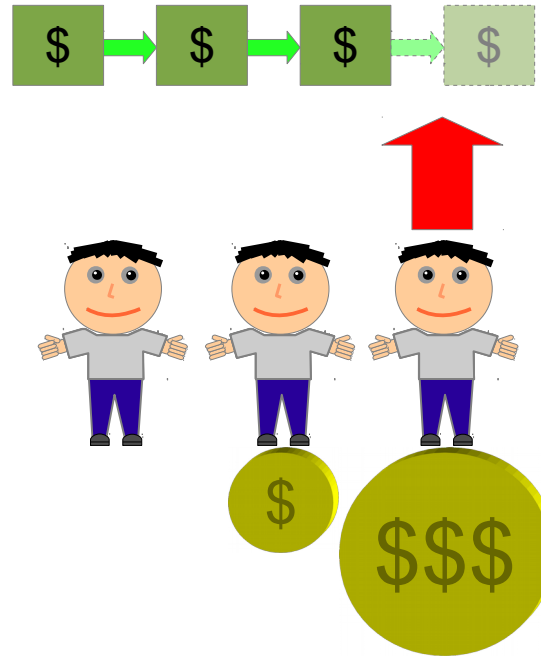# Challenge: provide every user with personal "planetary intelligence" agent
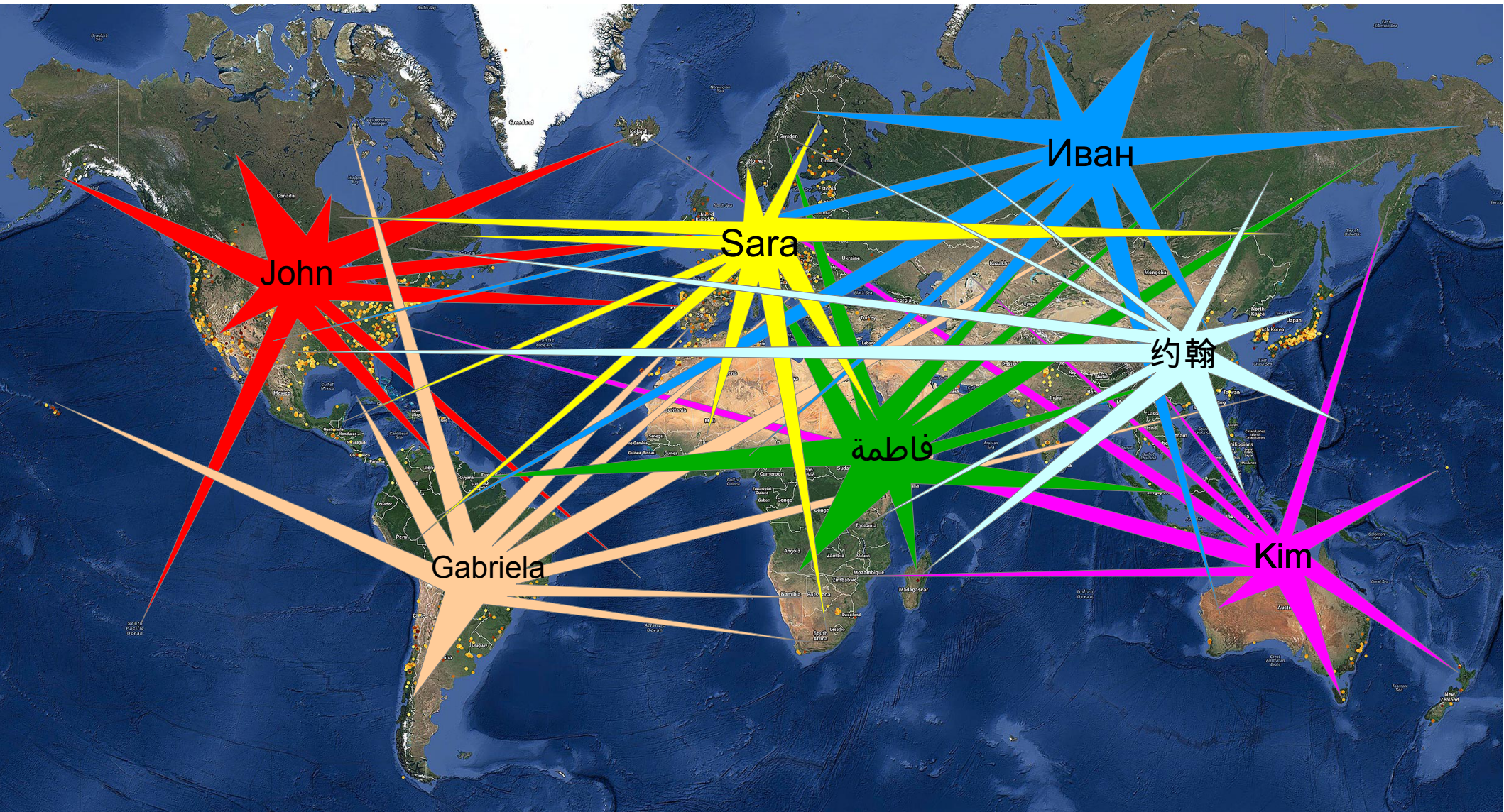
Consensus – technology to govern distributed multi-agent systems such as blockchains or societies, resistant to takeover and scam.
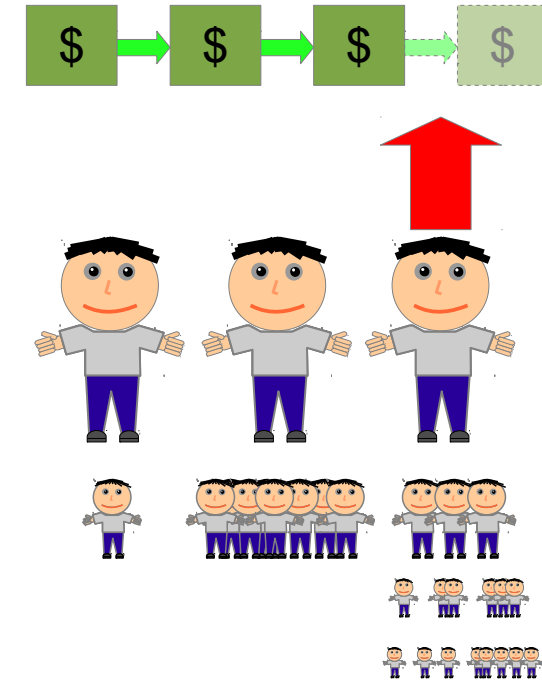
Proof-Of-Work

Force is Power: Those who own more computing resources govern the network.

Proof-Of-Stake

Money is Power: Those who have more money govern the network.

Proof-Of-Reputation

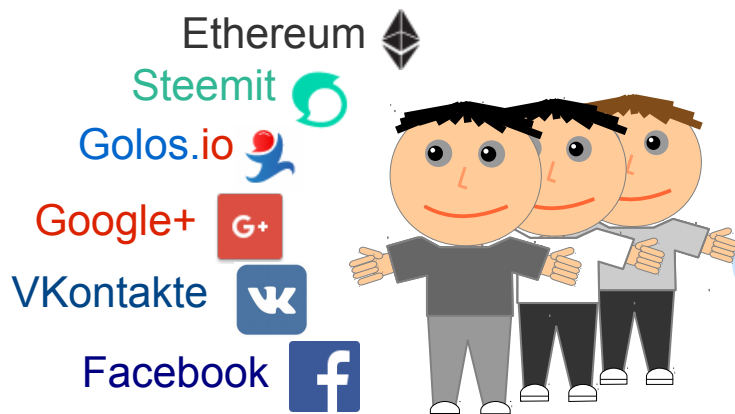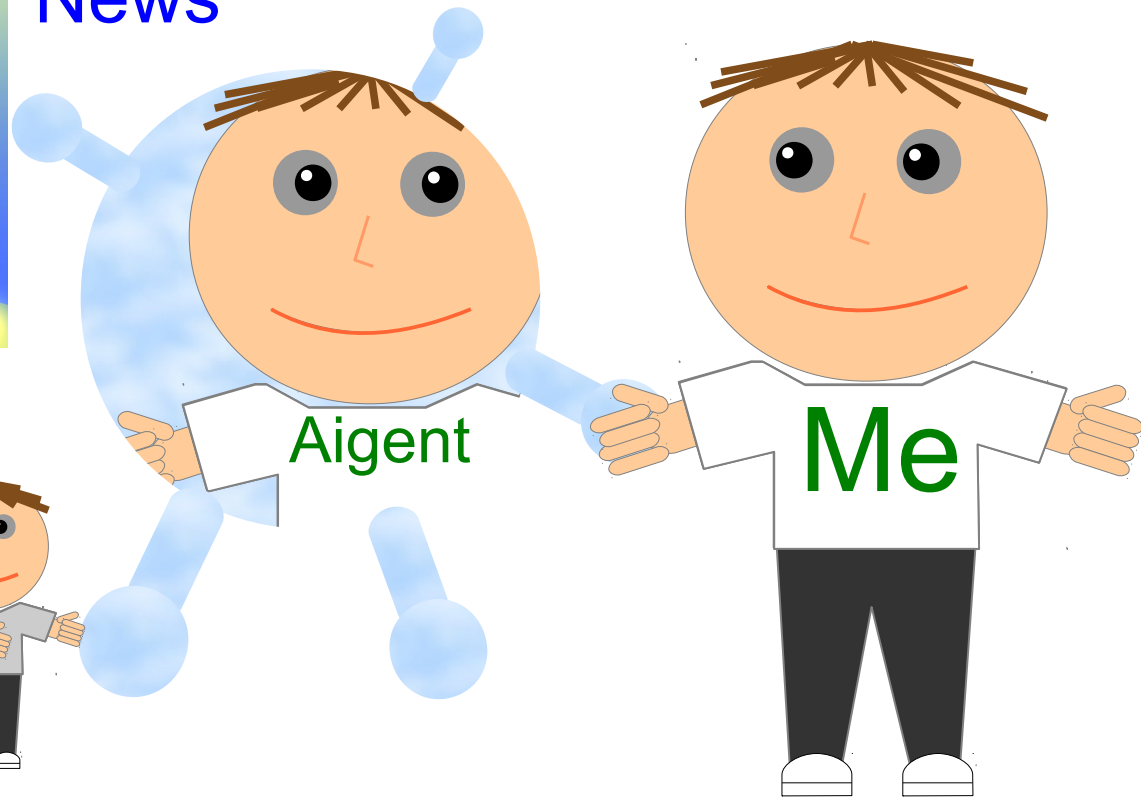$$R_i = \sum_t \sum_j (R_j * V_{ijt})$$

Reputation is Power: Those who earn deeper reputation and greater long-term audience base govern the network.

Aigents Social Computing

provides "magic mirror" in the world of social and informational networks to recognize your preferences, let you know your friends and find what you need
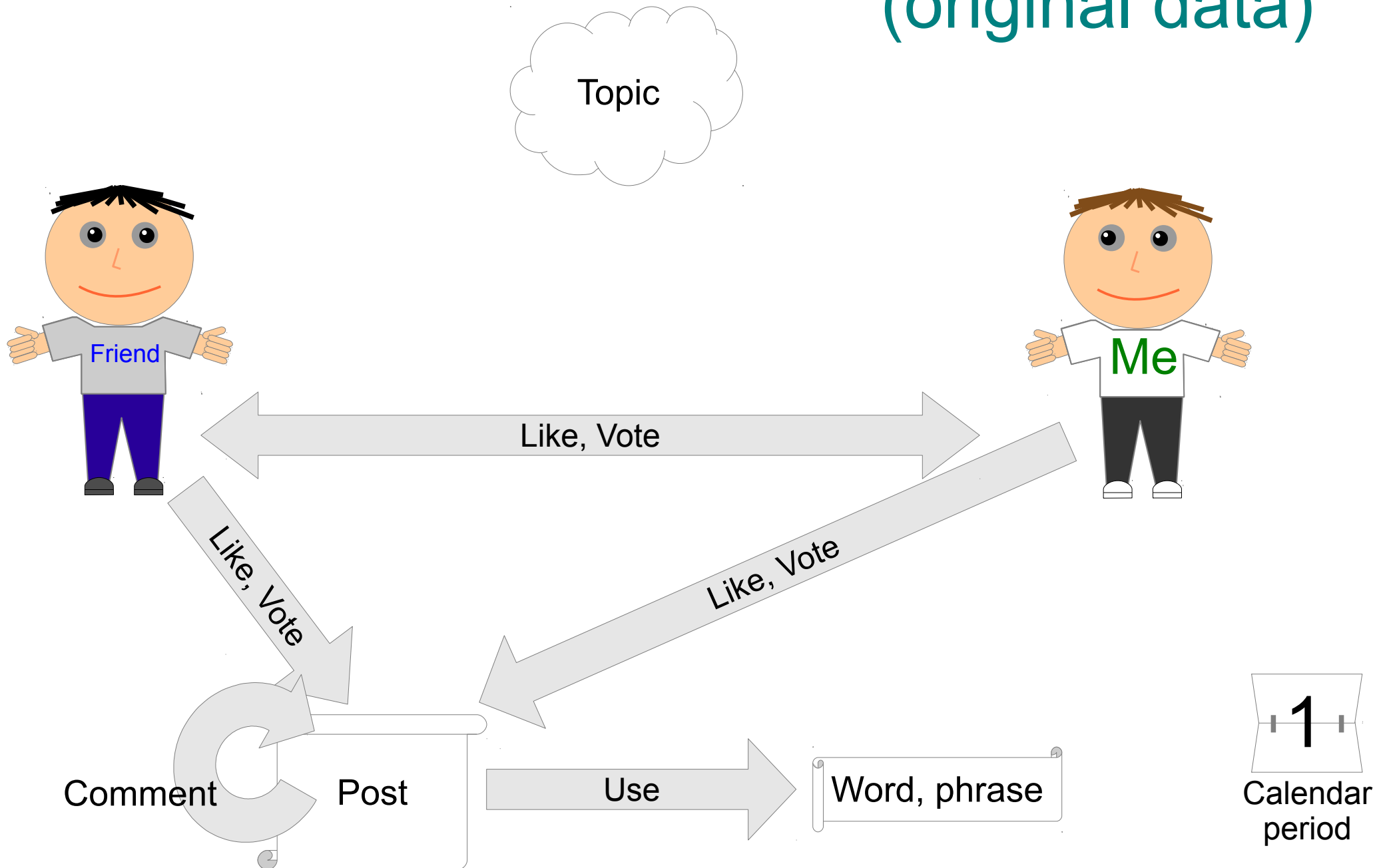
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VKontakte

Facebook

Friends

Personal Social Analytics
Start using at https://aigents.com/ today!

1. Register with social network

2. Order report

3. Review profile and dynamics

4. Browse your social graph

Personal Social Analytics Domain Model (original data)

Personal and social analytics - relationships

Best friends

$$B_{ij} = L_{ij}*(L_{ji}+C_{ji}) / Max_{j=1,J} (L_{ij}*(L_{ji}+C_{ji}))$$

Fans

$$F_{ij} = ((L_{ji}+C_{ji})/(1+L_{ij}+C_{ij}))/Max_{j=1,J} ((L_{ji}+C_{ji})/(1+L_{ij}+C_{ij}))$$

Like and comment me

$$F'_{ij} = (L_{ji}+C_{ji}) / Max_{j=1,J} (L_{ji}+C_{ji})$$

Authorities

$$A_j = ((L_{ij}+C_{ij})/(1+L_{ji}+C_{ji})) / Max_{j=1,J} ((L_{ij}+C_{ij})/(1+L_{ji}+C_{ji}))$$
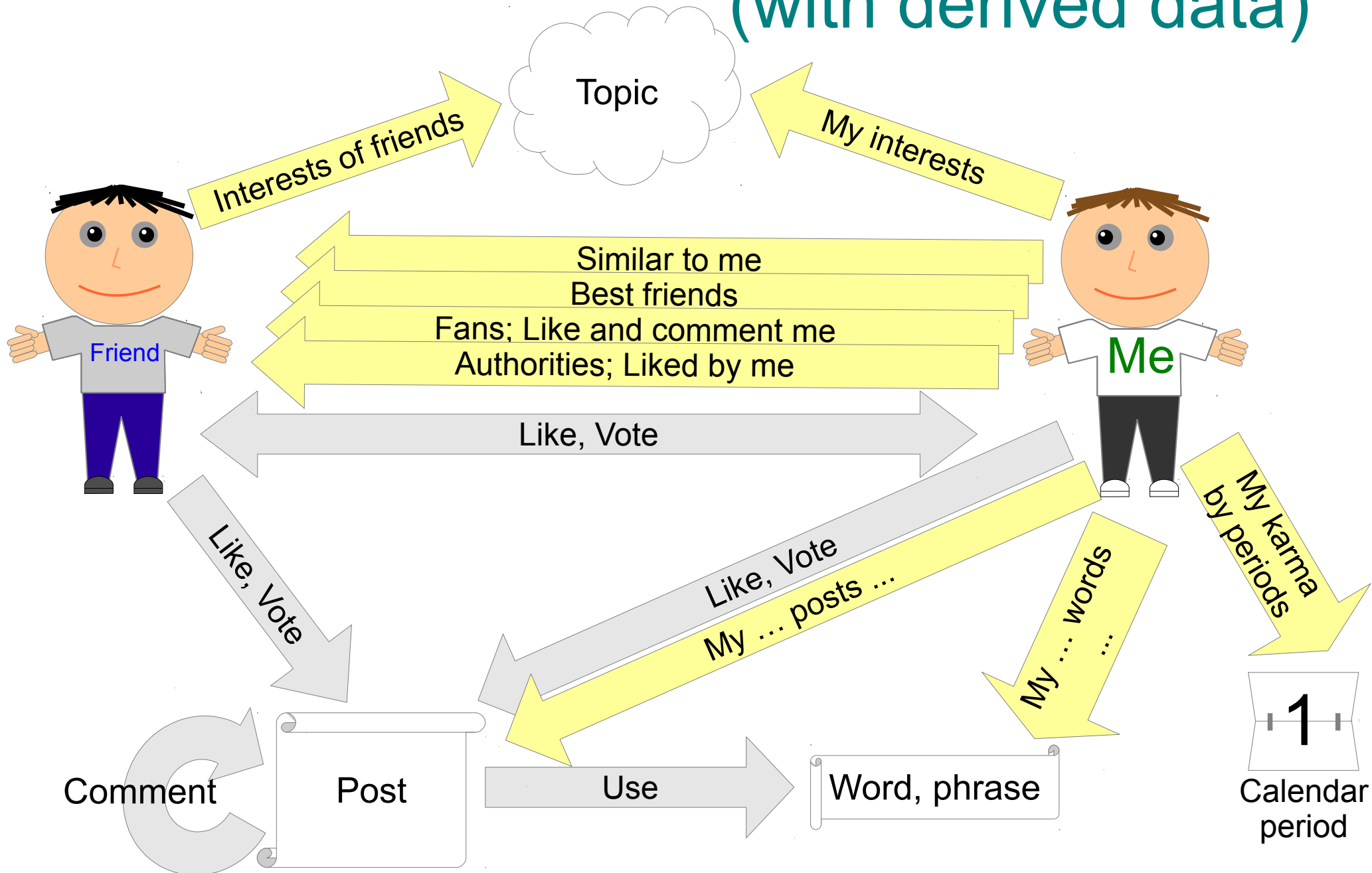
Liked by me

$$A'_j = (L_{ij}+C_{ij}) / Max_{j=1,J} (L_{ij}+C_{ij})$$

My karma by periods

$$K_{it} = \sum_{j,t} (L_{ij}+C_{if}) / Max_{t=1,T} \sum_{j,t} (L_{ij}+C_{if})$$

# Personal Social Analytics Domain Model (with derived data)

Case 1: Helping users to improve their social capital ("karma") over time, monitoring dynamics of its change correlated with online communications, topics and connections changing over time.

My words by periods

Period	Karma,%	Likes	Comments	Words
2018-03-16 - 2018-03-17	29	25	4	сибирь boss like robots since kids
2018-03-09 - 2018-03-16	54	45	9	mind agent сибирь awareness social soul сегодняшний до
2018-03-02 - 2018-03-09	67	56	11	source буду opencog open развития slides agi агенты project hr-менеджеров ру
2018-02-23 - 2018-03-02	2	26	2	agi ai conference prague human-level intelligence field event please области general works русски агентов question chair founded vaclav искусственного great интеллектуальных off серверную franz вопросы th готовьте series exciting версии
2018-02-16 - 2018-02-23	94	87		
2018-02-09 - 2018-02-16	20	18		
2018-02-02 - 2018-02-09	33	28		
2018-01-26 - 2018-02-02	21	17		
2018-01-19 - 2018-01-26	43	40		
2018-01-12 - 2018-01-19	35	28		
2018-01-05 - 2018-01-12	25			
2017-12-29 - 2018-01-05	100	87		
2017-12-22 - 2017-12-29	47	41		

My friends by periods

| Period	Karma,%	Likes	Comments	Friends
2018-03-16 - 2018-03-17	29	25	4	Dmitry Prokhorov Anna Brusnitsina Ryhwei Yeh Anna Chernykh-Tesakova Виктор Голиков Misha Kolonin Ilya Nenashev Николай Коротич Tatyana Erofeeva Николай Гинзберг Evgeny Kanashin Mikhail Nikolskiy Lyudmila Kolonina Сергей Нефедов Vladimir Kirilenko Daria Kolyakina Garin Evgenii Vladimir Ponikarovski Enrico Mariotti Дарья Долотенкова Константин Бакулев Serge Gluschnev Mike Duncan Ольга Полунина Ирина Карлинер Andy Shapovalov
2018-03-09 - 2018-03-16	54	45	9	Aigents Елена Ступина Pierre de Lacaze Ольга Полунина Lev Vertgeym Ryhwei Yeh Anna Chernykh-Tesakova Дмитрий Кошелев Виктор Голиков Georg Vertiprachov Ольга Ускова Misha Kolonin Yulia Kolonina Дмитрий Пучков Vyacheslav Ananyev Yury Nebieridze Vasyl Luts Artem Vital'evich Николай Гинзберг Natalia Lukovnikova Yulia Danilova Victor Smirnov Anna Brusnitsina Olga Stoyanovskaya Vanya Vanchez Dmitry Zhuravlev Andrei Klimov Mikhail Nikolskiy Inga Yurovskaya Mykola Rabchevskiy Raymond de Lacaze Nataly Bright Daria Kolyakina Arseniy Kolonin Валерий Берд Алина Рябинина Elvira Ko ـياقت مديح Enrico Mariotti Дарья Долотенкова ПиР Сибирь-2018 Александр Гришуленок Danila Akimov Vadim Filippov Константин Бакулев Evgeniy Pavlovskiy Ерлан Байжанов Simone Says
2018-03-02 - 2018-03-09	67	56	11	Lyudmila Kolonina Yulia Kolonina Николай Гинзберг Pierre de Lacaze Raymond de Lacaze Daria Kolyakina Anya Danilova Enrico Mariotti Сергей Шумский Yury Nebieridze Scott Jones Anna Brusnitsina Mark Watson Ольга Полунина Виктор Голиков Elena Rozhkova Елена Ступина Ekaterina Vronskaya Gabriel Axel Natalya Konopleva Christopher Preece Игорь Замятин Mikhail Svjatogor Gleb Protopopov Arseniy Kolonin Дарья Долотенкова Tina Naer Константин Бакулев Alexandr Kychakov Andrew Shell Denis Sosnovtsev Сергей С. Дмитрий Кошелев Alexey Vesnin Misha Kolonin Chernyakov Maxim Vyacheslav Ananyev Aigents Ilya Zarezenko Kat Von B Philip McMaster Mikhail Nikolskiy Inga Yurovskaya Marcello Mari Mykola Rabchevskiy Валерий Берд Alexander Dubynin Serge Gluschnev Olga Tabunschikova Алексей Еремин Mikhail Tumaykin Ryhwei Yeh
2018-02-23 - 2018-03-02	28	26	2	Ryhwei Yeh Enrico Mariotti Виктор Голиков Misha Kolonin Andrey Khapugin Андрей Лебедев Андрей Толстихин Наталья Баранова Yury Nebieridze Alexander Matveyev Anton Baltsevich Scott Jones Anatoly Tkachev Katya

Case 2: Helping users to understand themselves better and perform more efficiently online – using their tracks in social networks and online resources, capture their interests, relationships, communication patterns and social structures.
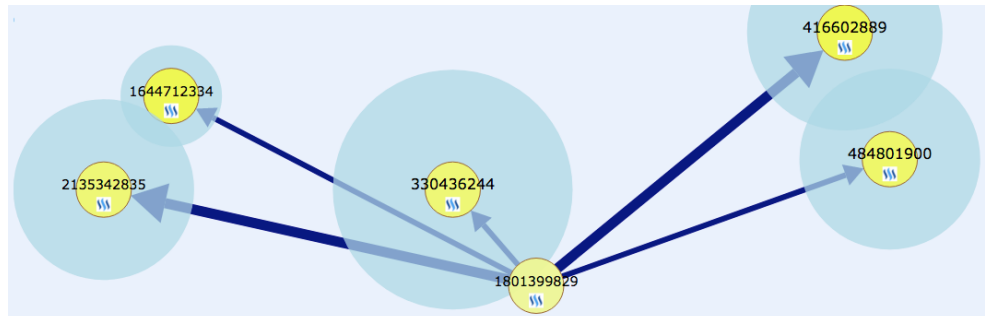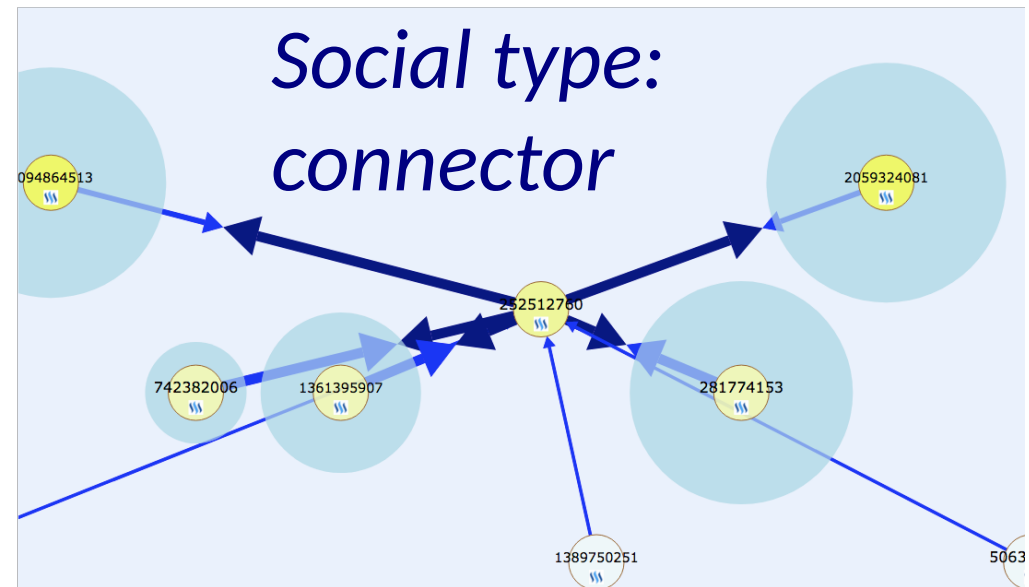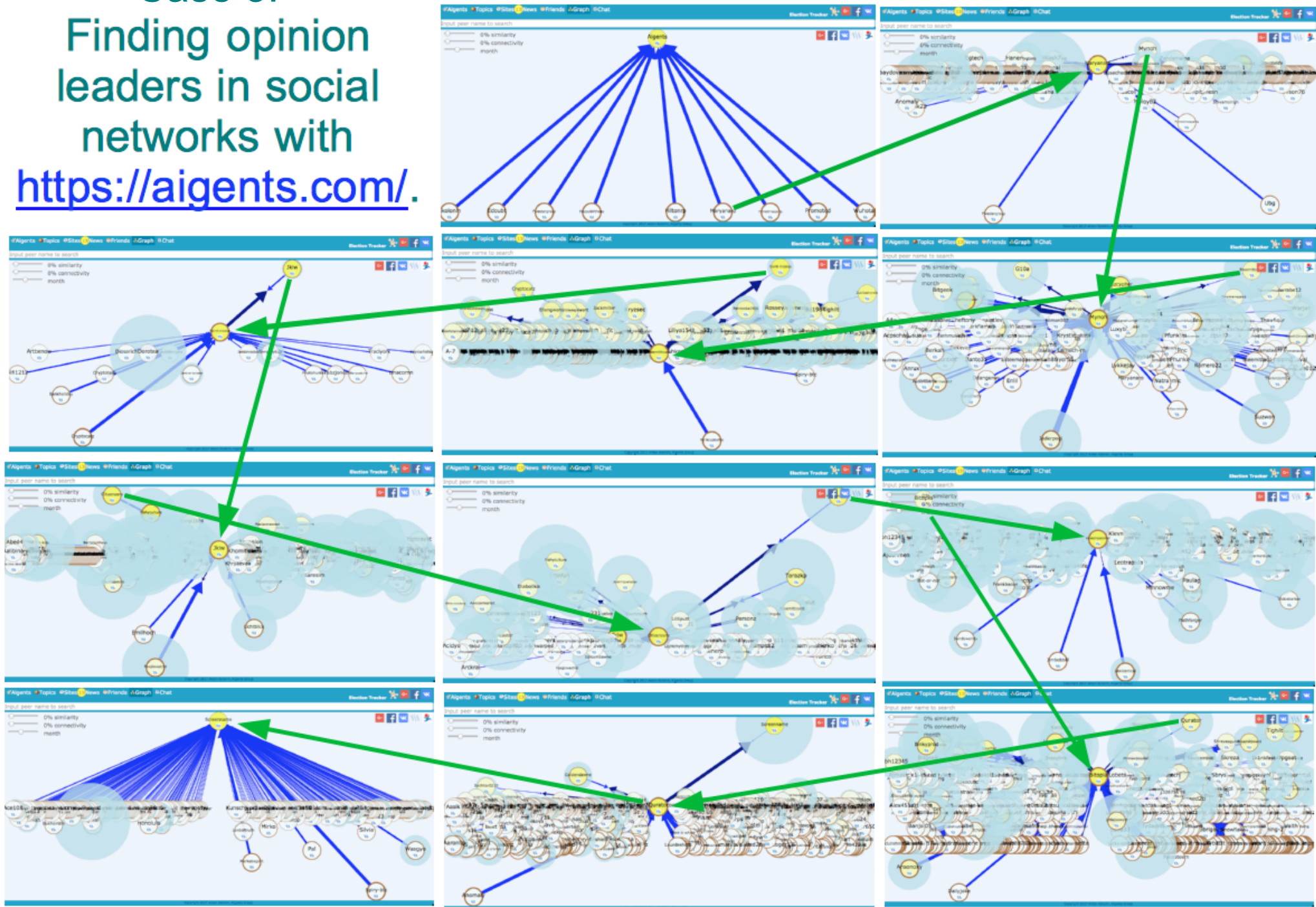

Social type: follower
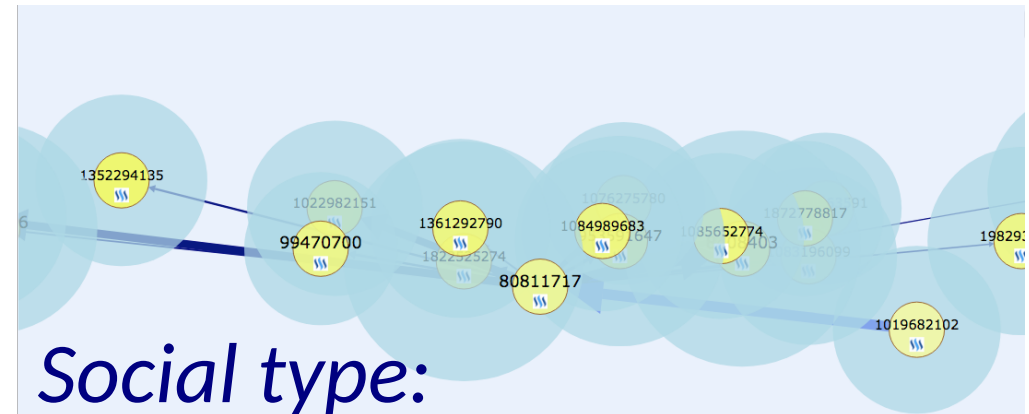
Social type: peer
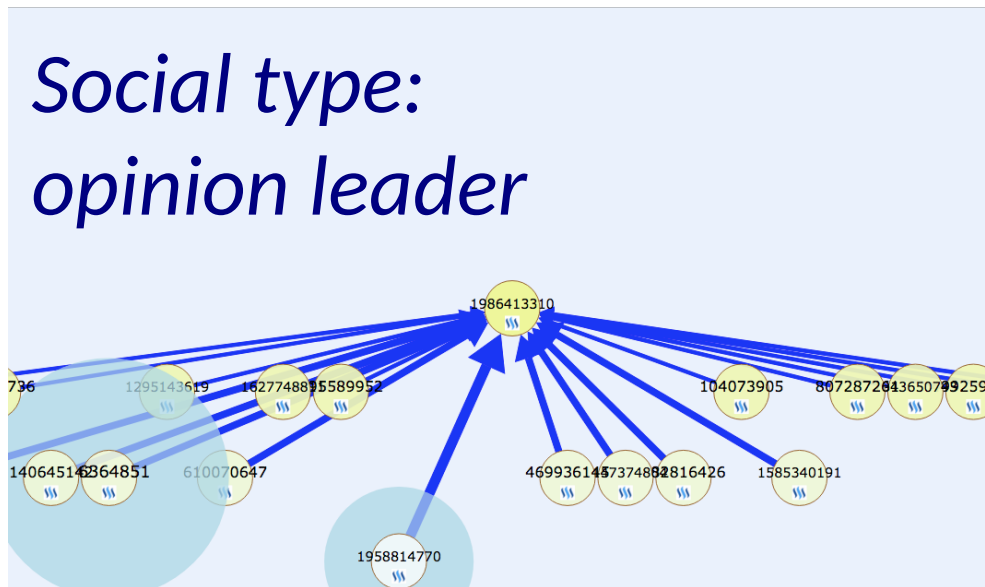
*Social type: opinion leader*

Social type: connector

Case 3:
Finding opinion leaders in social networks with https://aigents.com/.

Case 4: Encouraging users to conduct positive and effective communications with partners while guarding users from being manipulated themselves or being offensive to others.

I connect my "virtual agent" to my social networks and communication channels and let it learn about my partners and preferences.
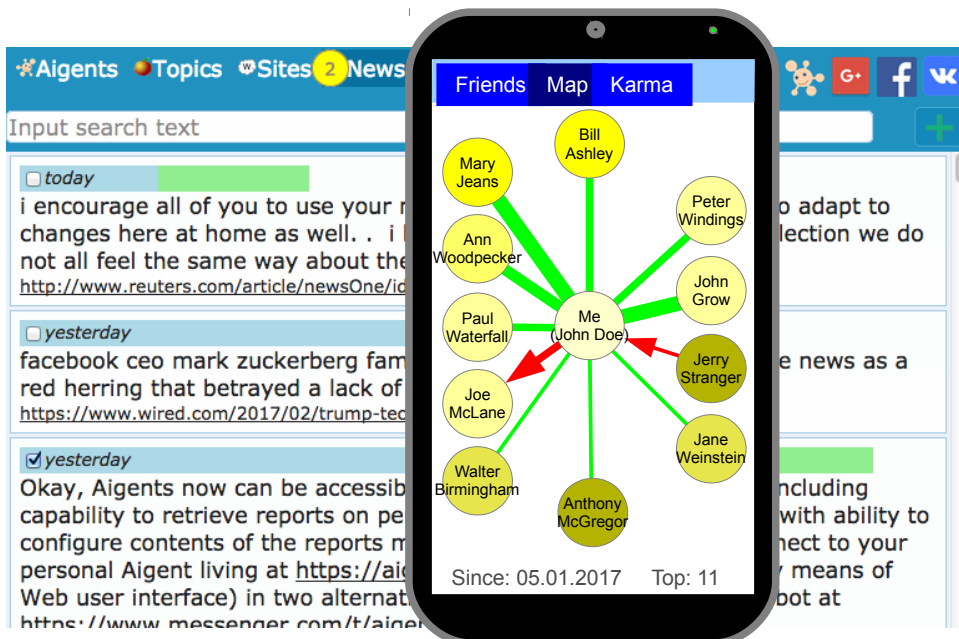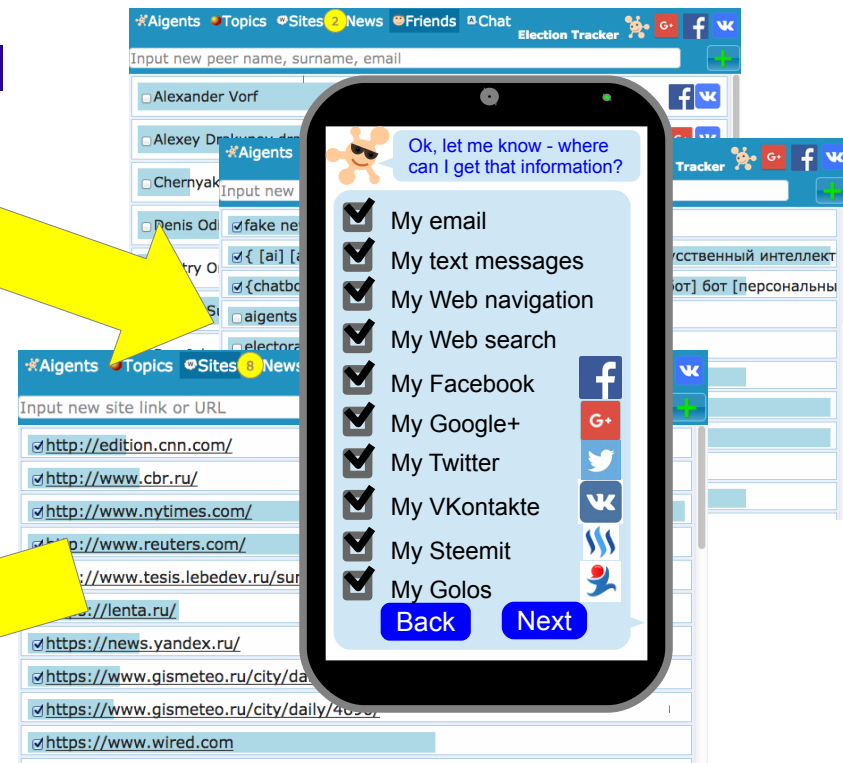
"Agent" extracts information from networks and online communications automatically, analyses all posts, comments and messages and alerts once there are important messages coming in or out – encouraging and positive or manipulative and offensive.

Takeaways

- We are parts of world-size machine, computing and redistributing attention, reputation, influence and power of brands, business and physical entities.

- The larger social graph is under control, the more impact on the world can be accessed, yet most of us lack tools of such control.

- Try [Aigents](#) software for personal social analytics and help us to make it better.

Thank you! Try demo:

https://www.youtube.com/watch?v=ORwodfAH2n0

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