



OCH
open**collaborative**health

OCH: Open Collaborative Health

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- 1. Who we are**
 - 2. Background**
 - 3. Trust and Social Networks**
 - 4. Future work**
 - 5. Conclusions**



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**15 YEARS
PIONEERING
INFORMATION TECHNOLOGIES**

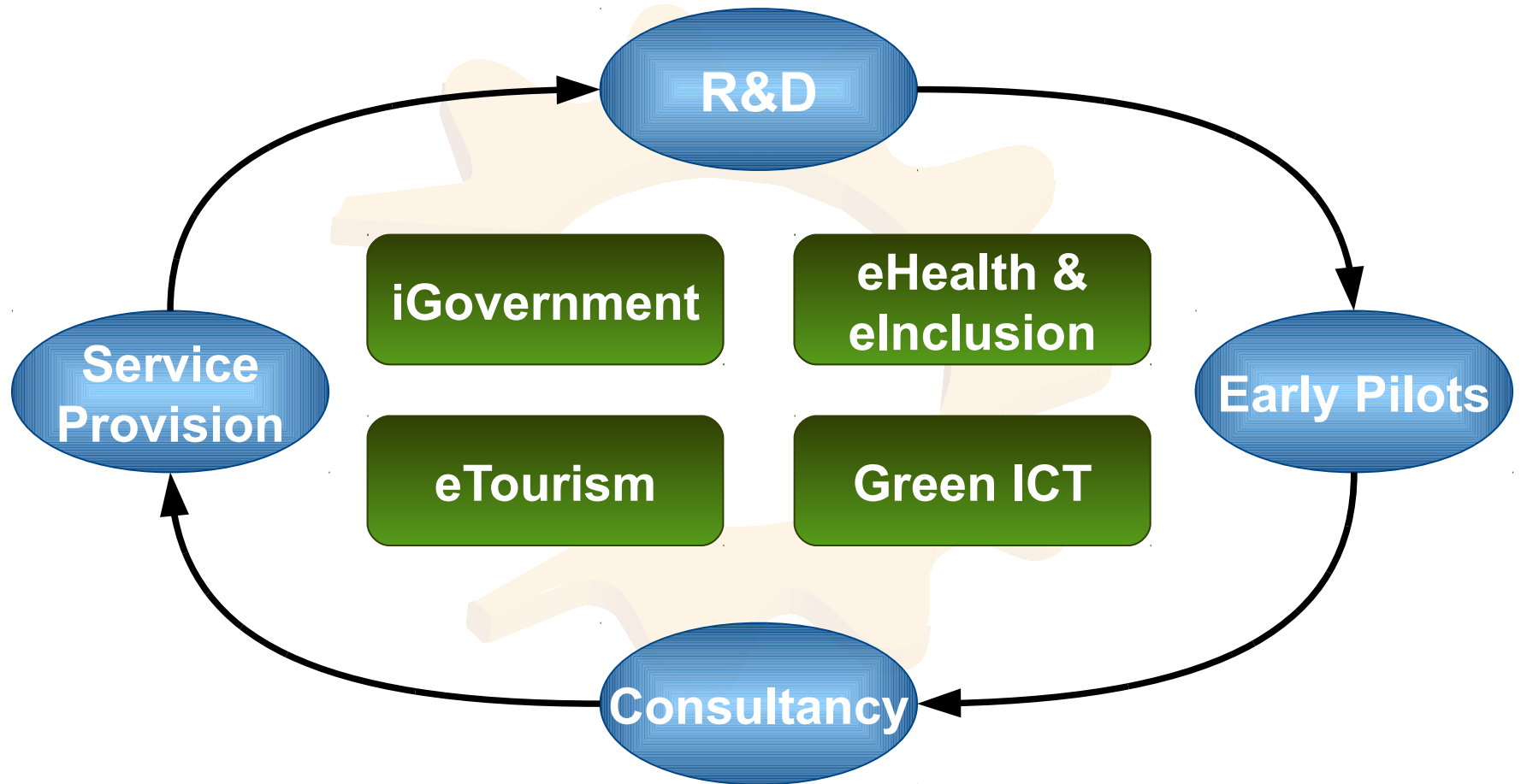
**EARLY MARKET
LEADERS**


**NETWORKING
INNOVATORS**

**DEVOTED TO
OPEN SOURCE**

**LONG LIFE
PARTNERS**

A speech bubble containing the 'andago labs' logo. The word 'andago' is in blue and 'labs' is in orange, with a yellow gear icon to the right.A speech bubble containing the 'andago' logo, with the word in blue and a yellow gear icon to the right.

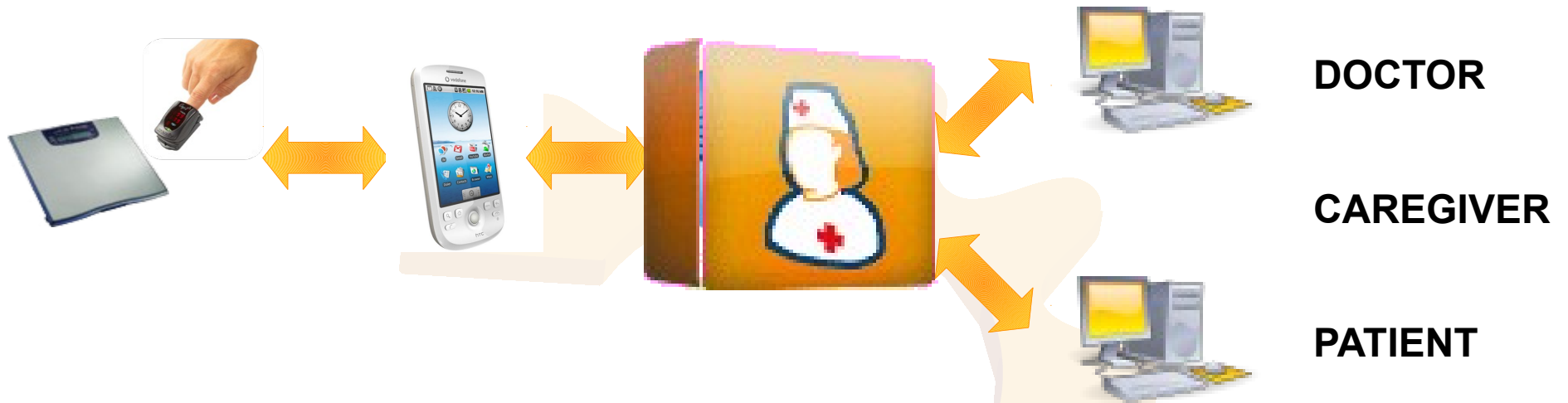


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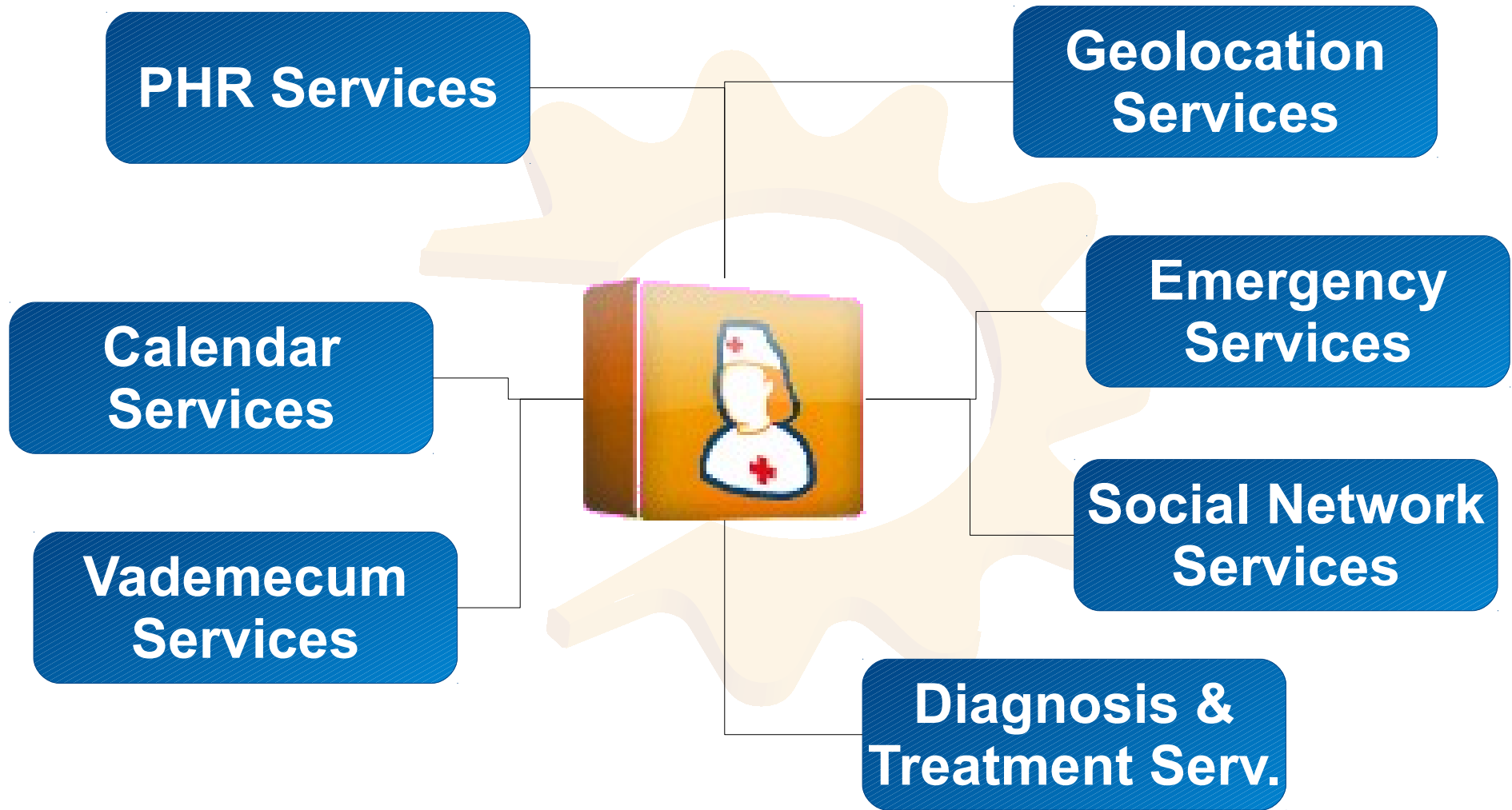
- Worldwide today:
 - 1 billion adults overweight
 - 860 million chronic disease patients
 - 600 million elders age 60 or older
 - 75-85% of healthcare spending is on chronic disease management



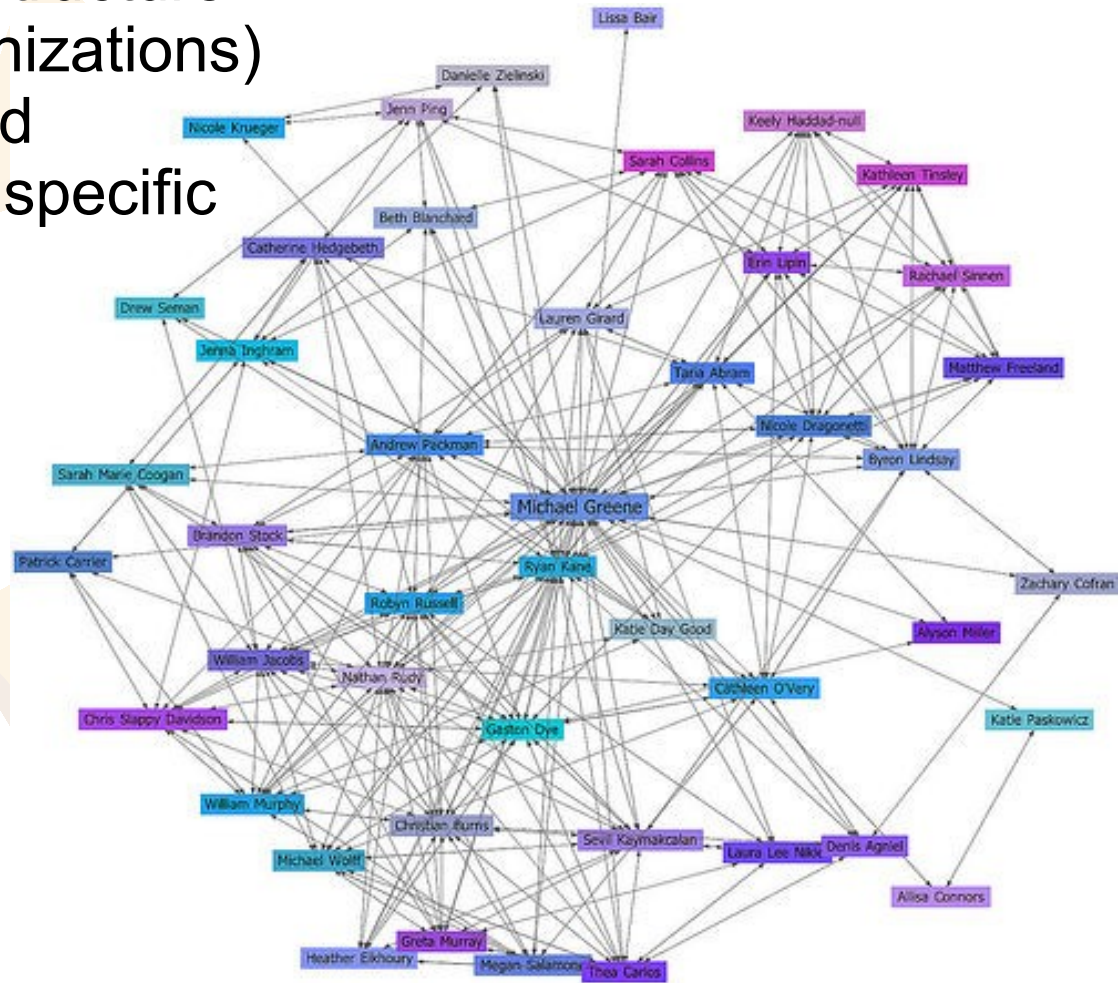


OHA is a generic framework used to develop applications for the management of eHealth services





A social network is a social structure made of individuals (or organizations) called "nodes," which are tied (connected) by one or more specific types of interdependency





patientslikeme™

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[Help](#) | [Crisis](#)

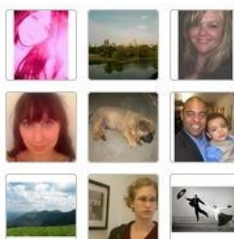
[Patients](#) | [Treatments](#) | [Symptoms](#) | [Research](#)

Search

The PatientsLikeMe Mood Conditions Community

Home > Mood Conditions Community

Whether you're depressed, bipolar, anxious, obsessive-compulsive, or simply want to monitor your mood fluctuations, this is the online community for you. By sharing your symptoms, treatments and mood charts, you can gain insight into what affects your mood while helping others learn from your experiences. Create a profile today to begin taking control of your health. Imagine knowing every medication, supplement, or device used to treat your disease. Imagine knowing what treatments work for people just like you — and having the ability to easily connect with those people. That's what makes PatientsLikeMe different. Patients share their treatments and outcomes not just to help themselves, but to help others. Become part of making a difference for everyone with mood conditions today.



Our Mood Conditions Community

376

Patient updates this week

Using PatientsLikeMe, people with mood conditions share detailed information about their symptoms, treatments, overall progress, and more.

637

New patients this month

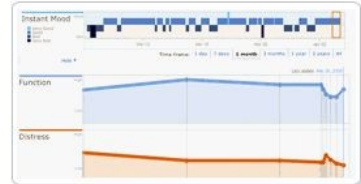
PatientsLikeMe members can find other patients like them experiencing similar symptoms and taking the same treatments.

5126

Mood Conditions patients in our community


Today, 5126 people with mood conditions are learning from each other on PatientsLikeMe. [See more mood conditions patients...](#)

An Innovative Approach Designed Specifically for Mood Conditions




Relevant Outcomes

Answer simple questions every week about your Function, Distress, External Stress, Life Activities, and Symptoms to create your Mood Map—a graphic representation of what factors affect your mood.



Relevant Treatments

Enter your treatments and share your regimen with others. Stay abreast of the latest treatment options for your condition through our Treatment Reports.



Top mood conditions Treatments


- Individual Therapy (804 patients)
- Bupropion (305 patients)
- Clonazepam (255 patients)
- Lamotrigine (250 patients)
- Fluoxetine (210 patients)
- Escitalopram (200 patients)
- Venlafaxine (195 patients)
- Sertraline (184 patients)
- Pets (166 patients)
- Omega 3 (155 patients)

[See all 1242 treatments...](#)

Top mood conditions Symptoms

- Problems concentrating (2033 patients)
- Muscle tension (1745 patients)
- Headaches (1589 patients)
- Back pain (1424 patients)
- Stomach pain (1144 patients)
- Dizziness (1070 patients)
- Nausea (1018 patients)
- Hyperventilation (557 patients)
- Fatigue (455 patients)
- Anxiety (408 patients)

[See all 721 symptoms...](#)



Andago Ingeniería 2010


www.andago.com



The screenshot shows the VIVU website interface. At the top, there is a navigation bar with the VIVU logo (two stylized faces) and the tagline "tu red de salud". To the right of the logo is a search bar with a "Buscar" button and a link to "Entrar". Below the navigation bar, the main content area is divided into several sections:

- Left Column:** Three bullet points with icons:
 - Icon of a person: "vivu es tu red de salud y bienestar."
 - Icon of a person and a heart: "Comparte los mejores profesionales con tu círculo de confianza."
 - Icon of a magnifying glass: "Encuentra información de utilidad sobre temas de salud."
- Right Column:** A promotional message:
 - Text: "los mejores **profesionales** e **información** gracias a tu **gente de confianza**"
 - Text: "tener un Círculo de Confianza fuerte te permitirá tener un futuro más saludable"
 - Button: "Regístrate"
 - Text: "o [entra](#) si ya eres usuario"
 - Text: "el valor de tu círculo [[saber más](#)]"
- Bottom Left:** "Nuevos profesionales" section listing two professionals:
 - Teodoro Sanroman**, Psicólogo, Camino de Ronda 98, 1º B, Granada 18005 - España.
 - Manuel Sánchez Regaña**, Dermatólogo, Plaza Manuel Corachán, 4, Barcelona 08017 - España.
- Bottom Right:** "Información reciente" section with "Preguntas y respuestas":
 - Question 1: "Indivi preguntó [Cannabis y familias](#)" (hace 4 horas 44 mins)
 - Question 2: "est1 preguntó [¿Es conveniente la prótesis de la extracción y de dientes perdidos en la tercera edad, si la persona es totalmente sana?](#)" (hace 6 horas 6 mins)

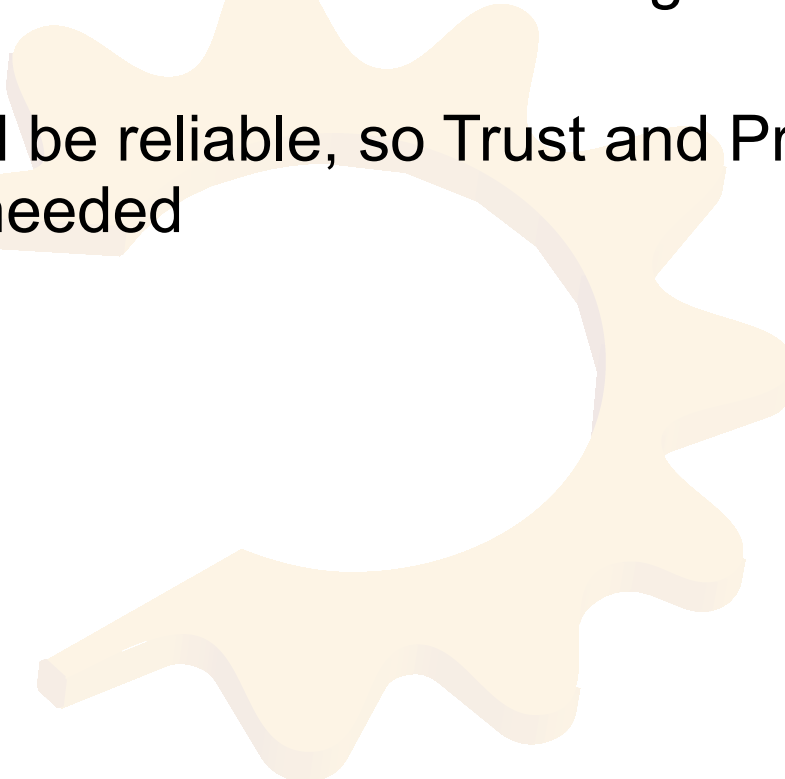


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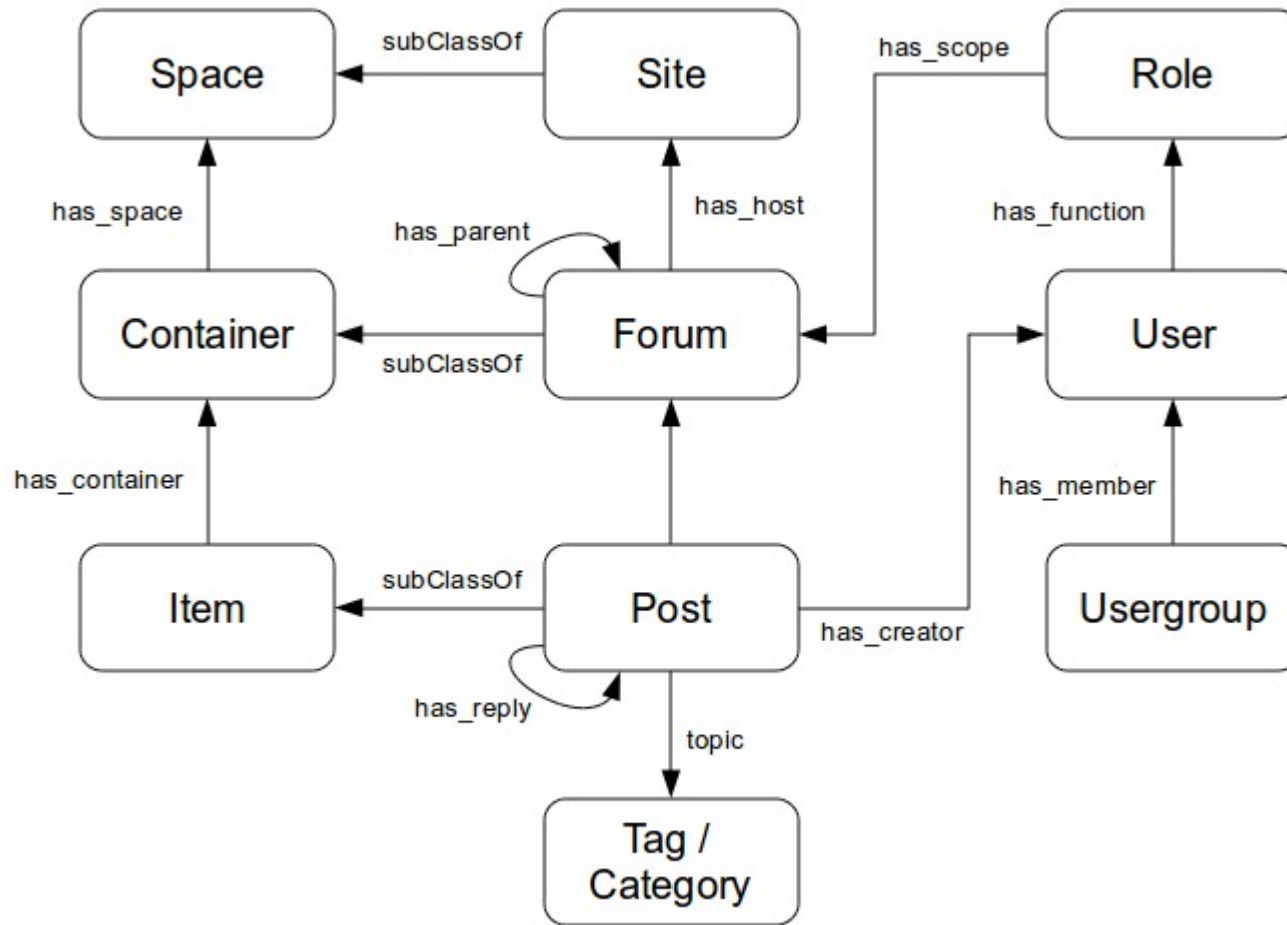
- People shares a lot of information using their social networks, creating a huge knowledge base repository
- People search for answers using its social network more than “traditional” search engines
- Trust is the subjective probability by which an individual, expects than another individual, performs a given action on which its welfare depends
- Risks of false data in health social networks is greater than in friendship social networks



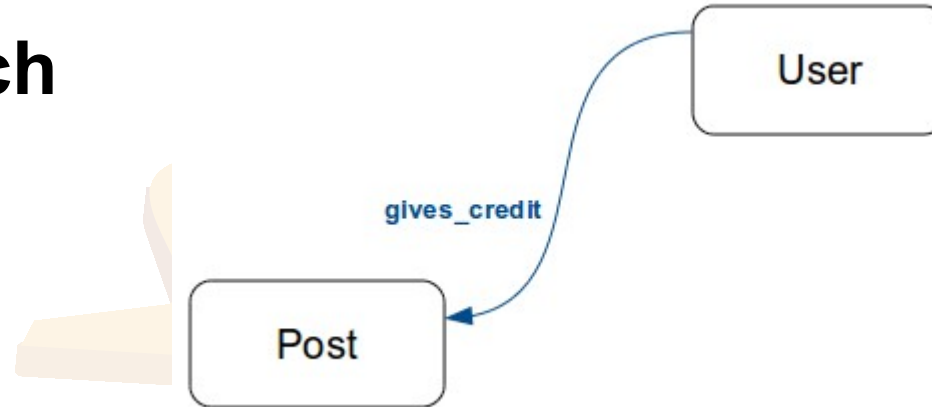
- We need mechanisms to extract knowledge from the social networks
 - Information should be reliable, so Trust and Provenance mechanisms are needed
- 



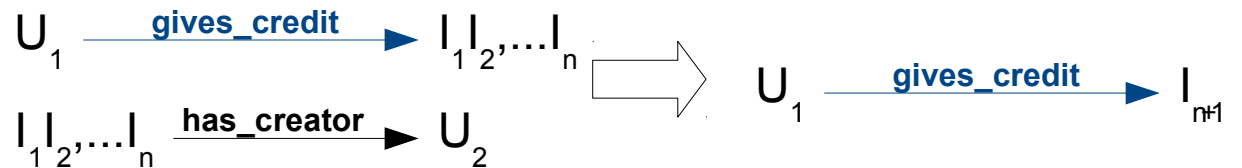
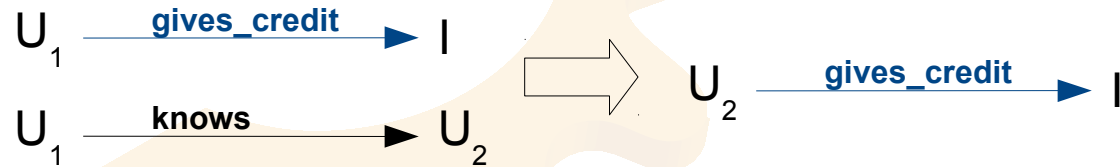
SIOC: Semantically-Interlinked Online Communities



First approach




Inference methods



- Information Confidence Ratio (ICR) can be set as the relationship between the number of users who have claimed the information as reliable and the total of users who have read it.
- This value can be categorized according to different parameters and used on statistical analysis to get behaviour patterns
- Information search results can be ordered based on these patterns




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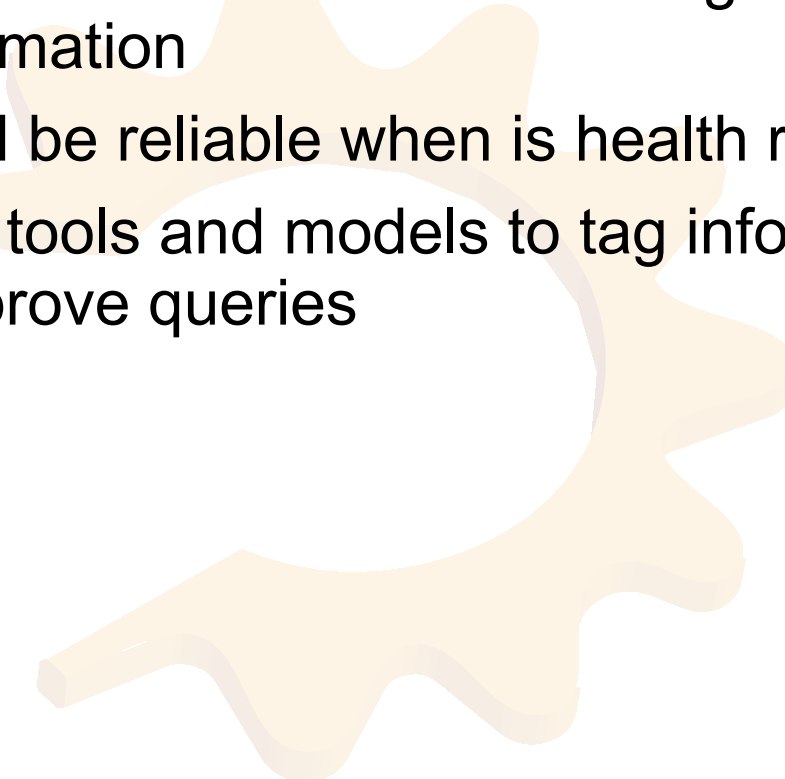


- Refine model, adding negative trust and take into consideration already reliable sources
- Use proposed model to complete Diagnosis and Treatment Support services
- Expand the model and apply it on non-medical social networks



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- People are using social networks for sharing data, but also for searching information
 - Information should be reliable when is health related
 - There are already tools and models to tag information as reliable and to improve queries
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