

Social Dynamics of Entrepreneurial Ecosystems Based on Innovation

Comments

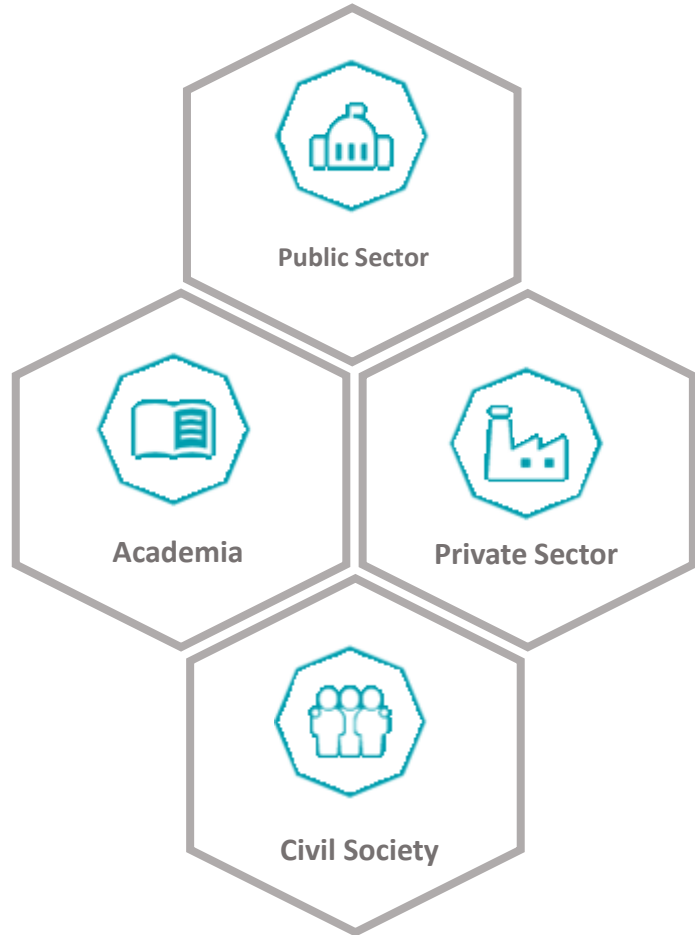
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Inter-American Development Bank

June 12th 2019

Preliminary, please do not quote without the author's consent

Take out 1: A new approach based on *roles*



Take out 3: to study *social dynamics* in the ecosystem

- 1 Key organizations
- 2 First-approach drivers
- 3 Directionality
- 4 Number of interactions required
- 5 Collaboration agreements and MOU's
- 6 Collaboration intensity
- 7 Success or failure of the collaboration

Mapping innovative entrepreneurial ecosystems: Lima - Peru

Edwin Goni
Santiago Reyes

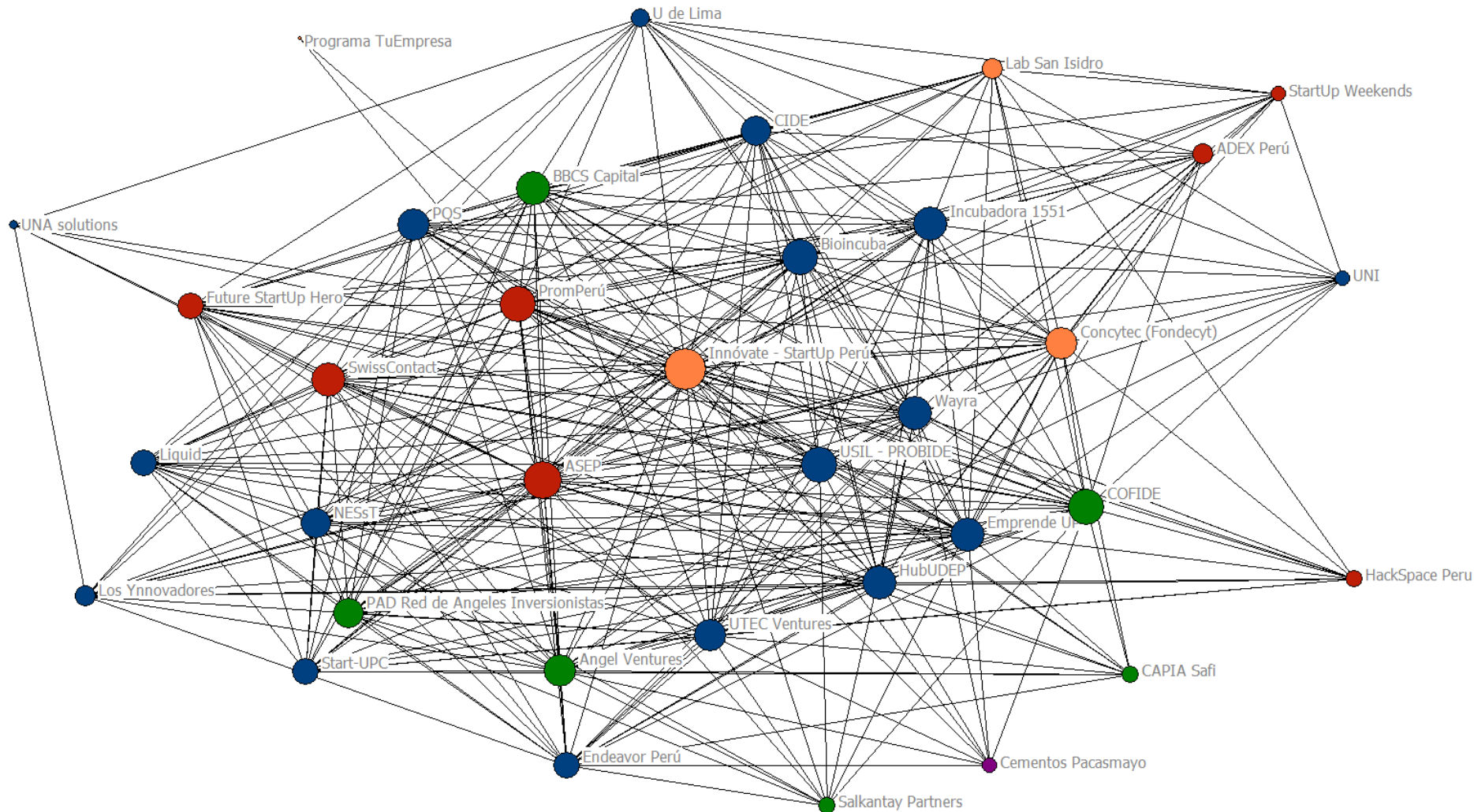
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Similar approach: based on roles



Similar approach: using social network



Innovation entrepreneurship ecosystem

(Lima – Peru 2018)

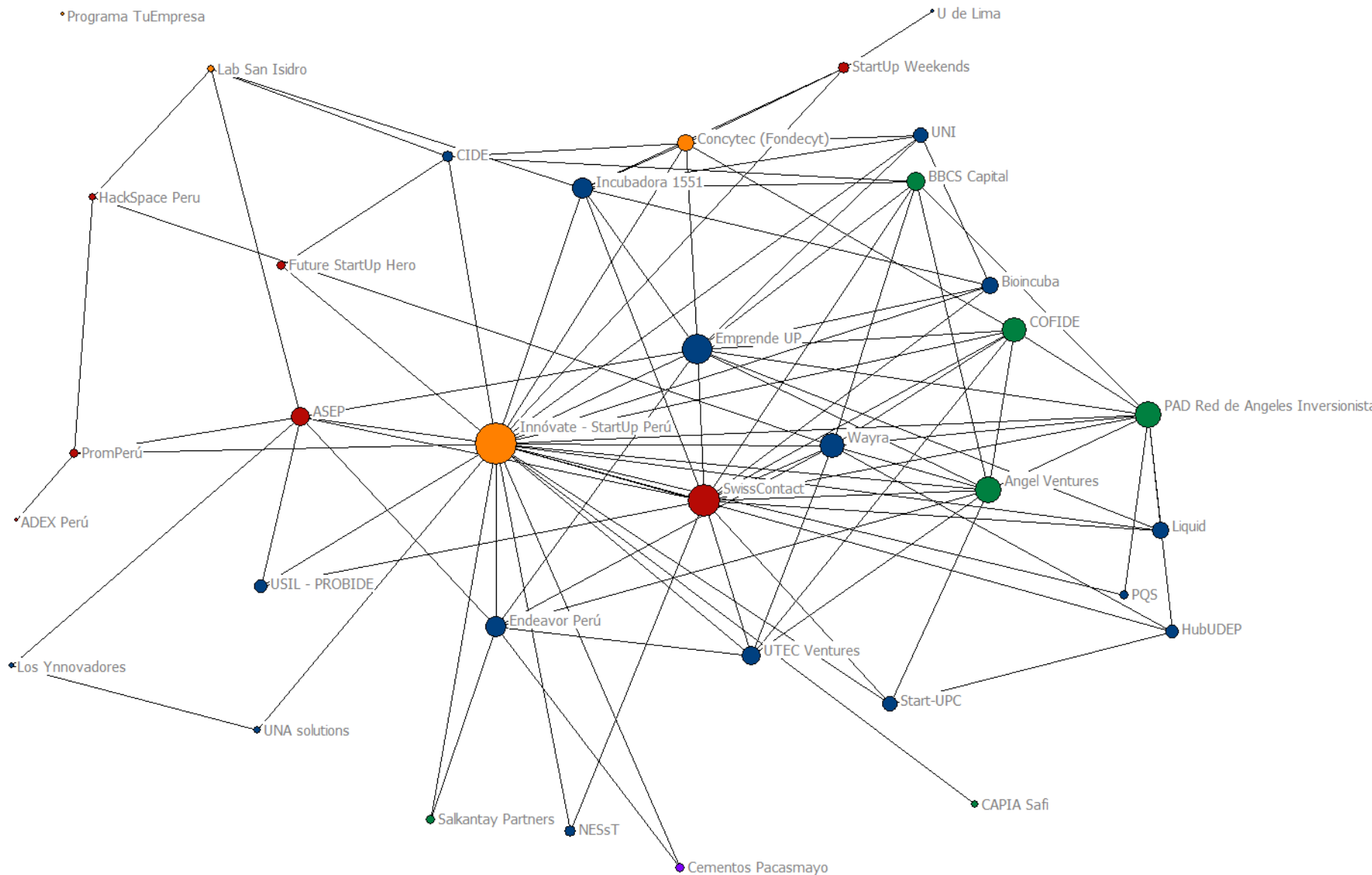
Any type of relationship

- Density : 56.7%
- Centrality : 46.6%
- Homophily : + 37.1%
- Average distance : 1.4

Actors

1. Innóvate / StartUp
2. PromPerú
3. ASEP
4. COFIDE
5. Wayra

... filtering according to strength of the relationships



Innovation entrepreneurship ecosystem

(Lima – Peru 2018)

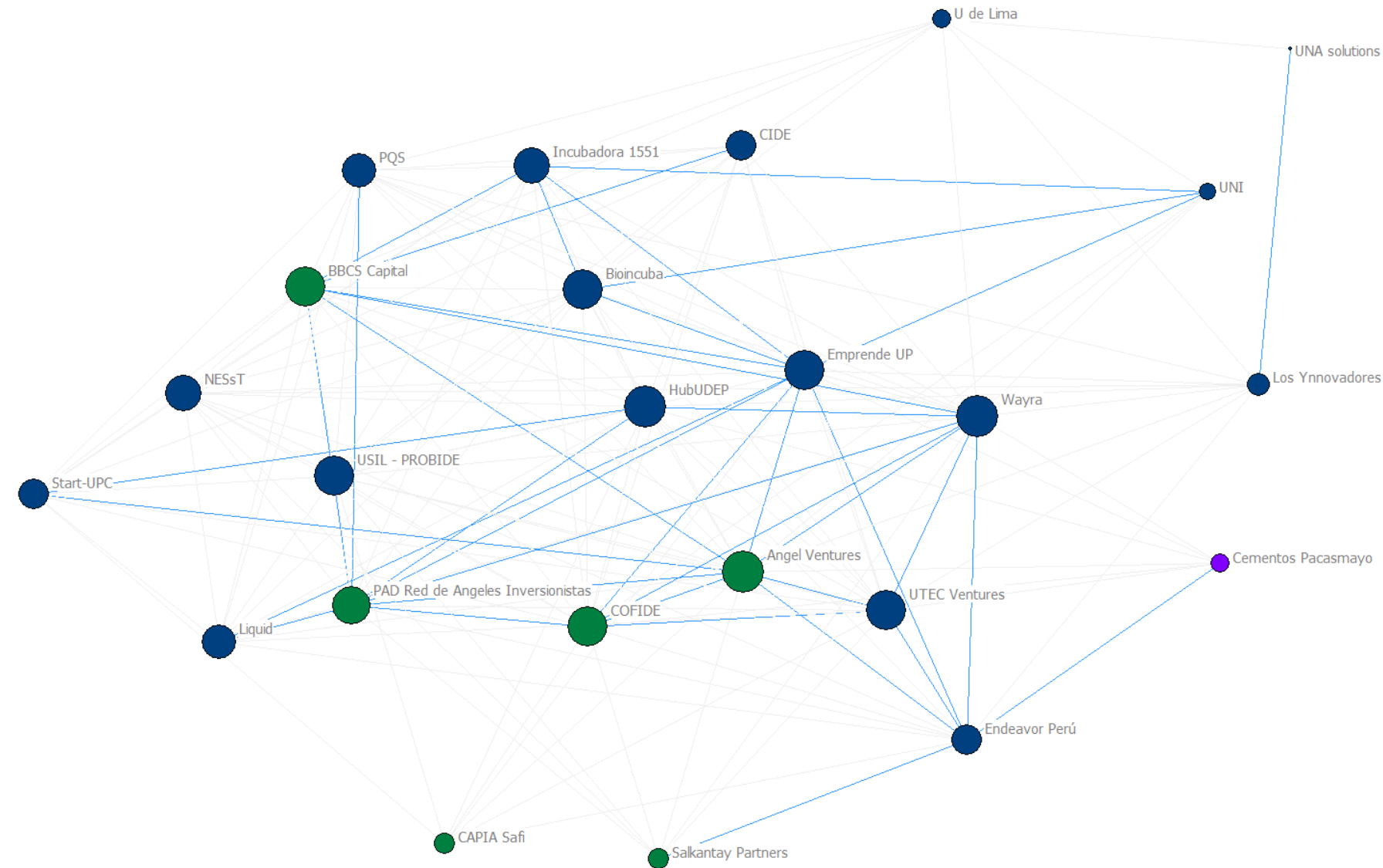
With **formal partnership** (joint projects or contractual relation)

- Density : 16.8%
- Centrality : 66.4%
- Homophily : + 52.0%
- Average distance : 2.0

Actors

1. Innovate / StartUp
2. SwissContact
3. EmprendeUP
4. Angel Ventures
5. PAD Red de ángeles

... to better understand connections of specific groups



Innovation entrepreneurship ecosystem (Lima – Peru 2018)

Incubators and Financers

With any type of link

- Density : 58%
- Centrality : 26.9%
- Homophily : -16.2%
- Average distance : 1.4

Actors

1. Angel Ventures
2. Wayra
3. HubUDEP
4. UTEC Ventures
5. USIL

With formal partnership (joint projects or contractual relation)

- Density : 13.8%
- Centrality : 27.7%
- Homophily : 0%
- Average distance : 2.1

Actors

1. Angel Ventures
2. EmprendeUP
3. PAD red de ángeles
4. Wayra
5. COFIDE

... the dynamics of the current ecosystem

Consultant (*External actor who links actors of the same group*)

Actor	Weight in the Ecosystem (1=Higher)
ASEP	0.907
SwissContact	0.823
BBCS Capital	0.8
Angel Ventures	0.788
PAD Red de Ángeles Inversionistas	0.724

Gatekeeper

(*links external actor to actors that belong to the gatekeeper's group*)

Actor	Weight in the Ecosystem (1=Higher)
USIL - PROBIDE	0.843
Endeavor Perú	0.649
Start-UPC	0.637
UNI	0.371
UNA solutions	0.211

Coordinator

(*actor that links to other actors of the same group*)

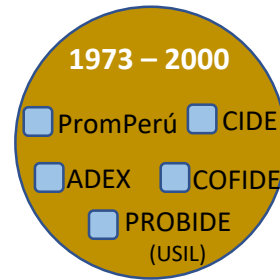
Actor	Weight in the Ecosystem (1=Higher)
Bioincuba	0.844
Wayra	0.832
HubUDEP	0.829
Emprende UP	0.82
Incubadora 1551	0.802

Liaison

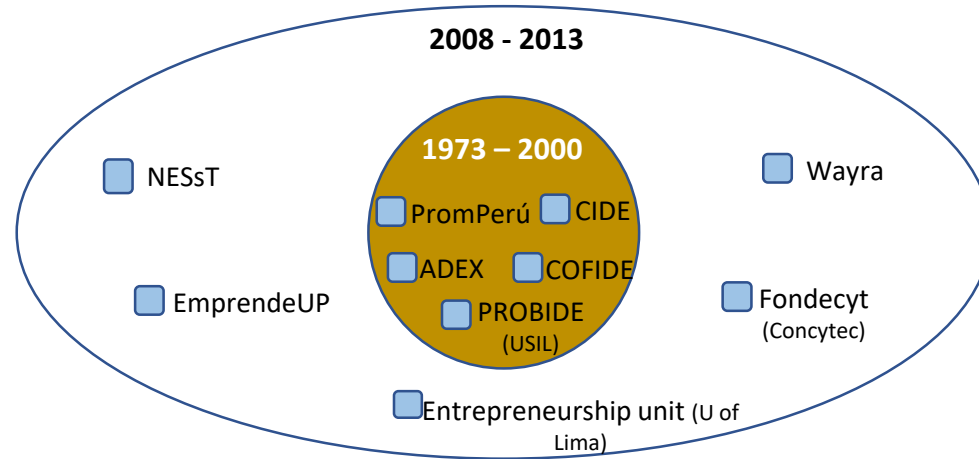
(*actor that connects other actors that belong to different groups*)

Actor	Weight in the Ecosystem (1=Higher)
Innovate - StartUp Perú	1
PromPerú	0.876
COFIDE	0.865
Concytec (Fondecyt)	0.749
Lab San Isidro	0.498

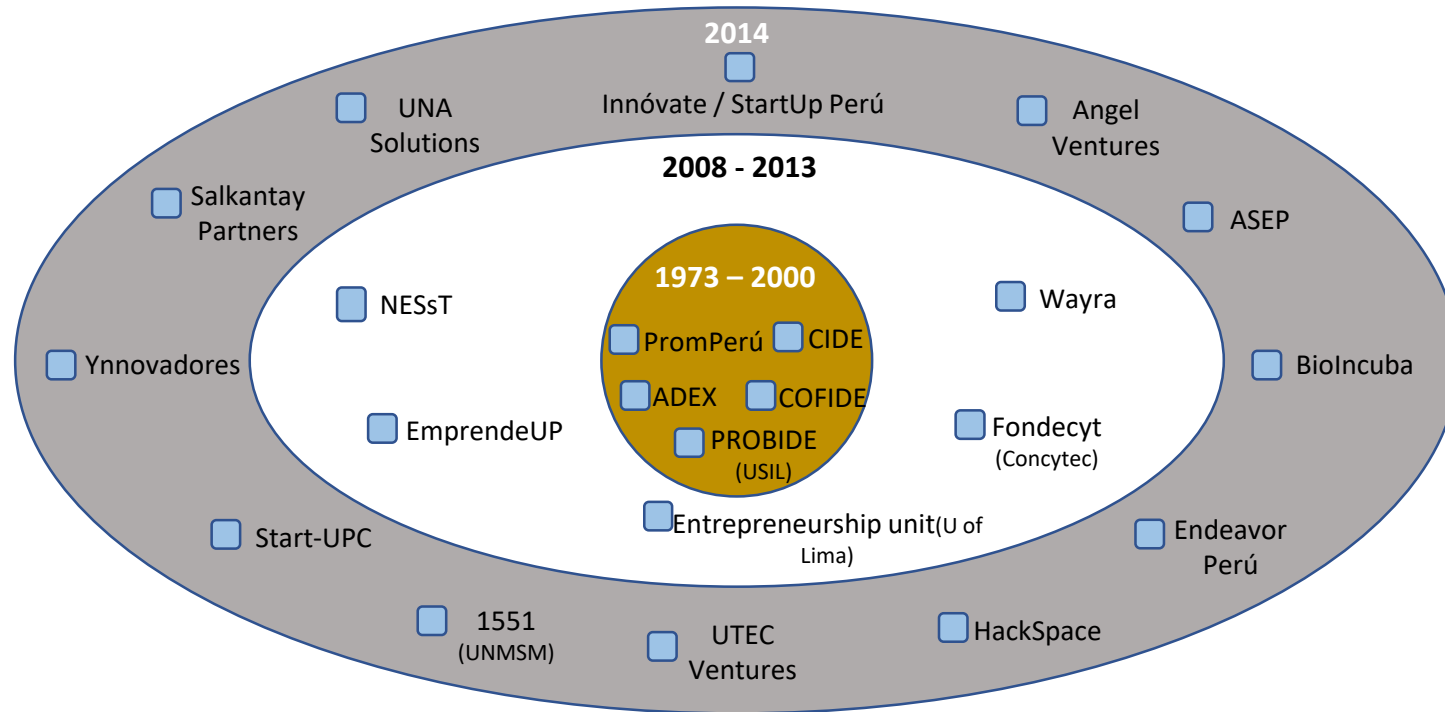
... as well as its evolutive path



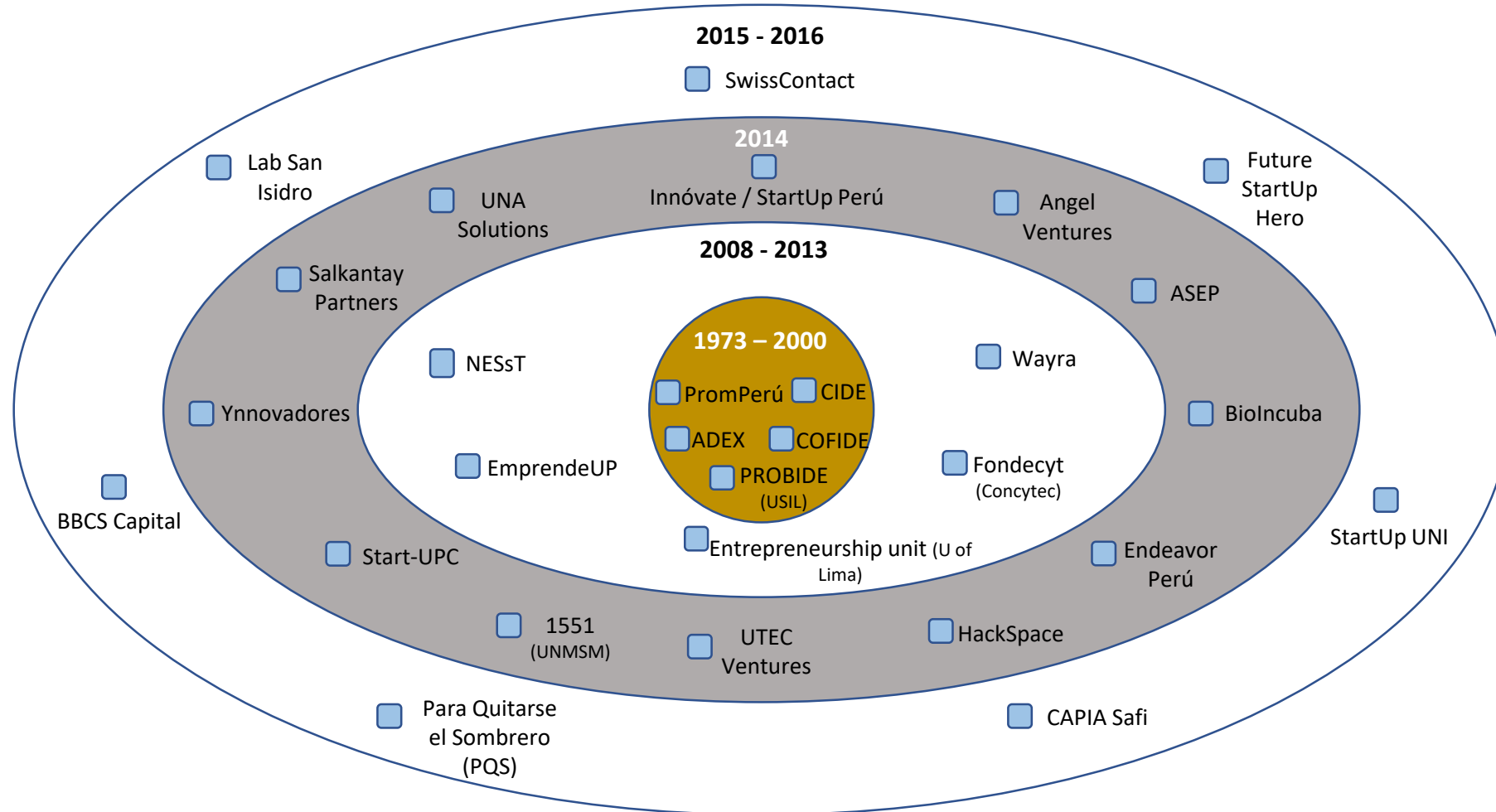
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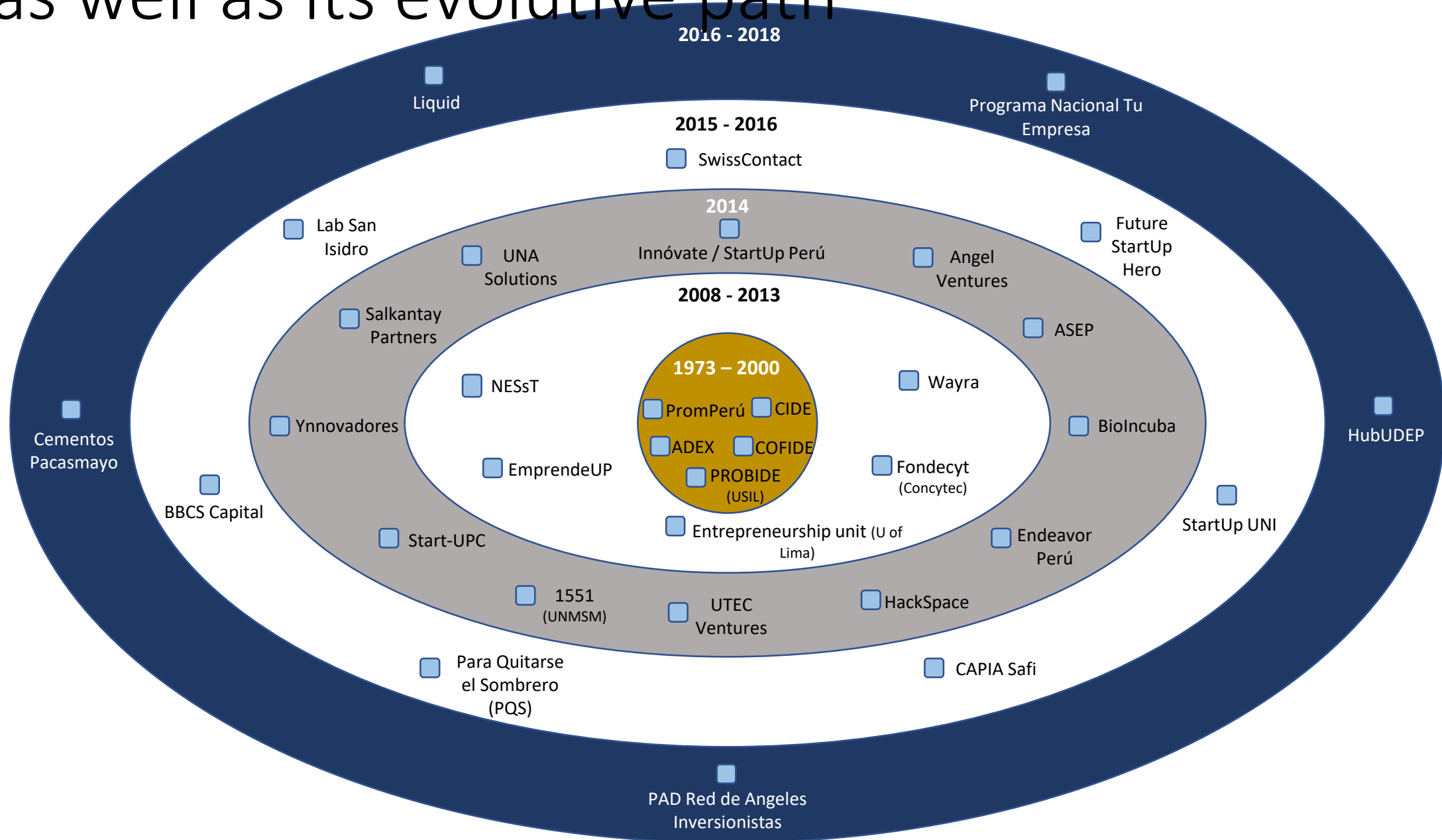
... as well as its evolutive path



... as well as its evolutive path



... as well as its evolutive path



... and the role of central actors in this evolution

