



Social Network Analysis and its applications in the LAG Prealpi & Dolomiti (Italy)

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Outline

1. Introduction: the LAG Prealpi Dolomiti (Italy)
2. How did it start?
3. Evaluation framework and approach
4. Using networks to represent and results
5. Using networks to measure and results
6. Actions and follow up
7. Reflections on the evaluation approach
8. Additional information

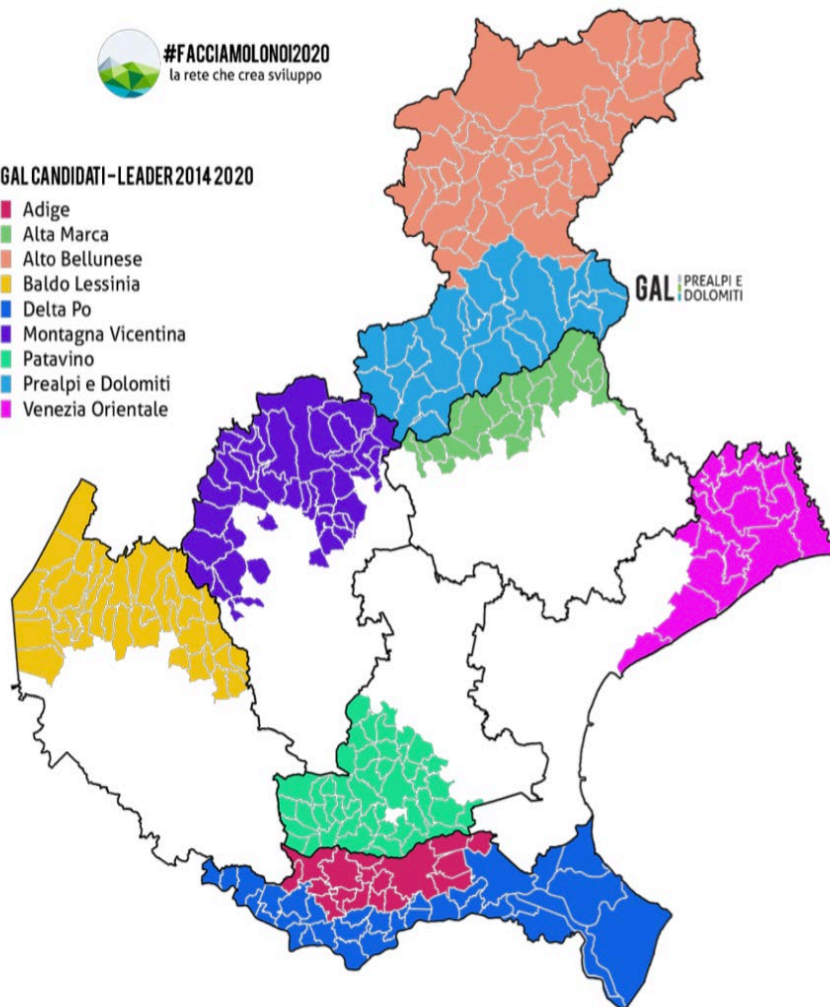


1. LAG Prealpi & Dolomiti



GAL CANDIDATI - LEADER 2014-2020

- Adige
- Alta Marca
- Alto Bellunese
- Baldo Lessinia
- Delta Po
- Montagna Vicentina
- Patavino
- Prealpi e Dolomiti
- Venezia Orientale





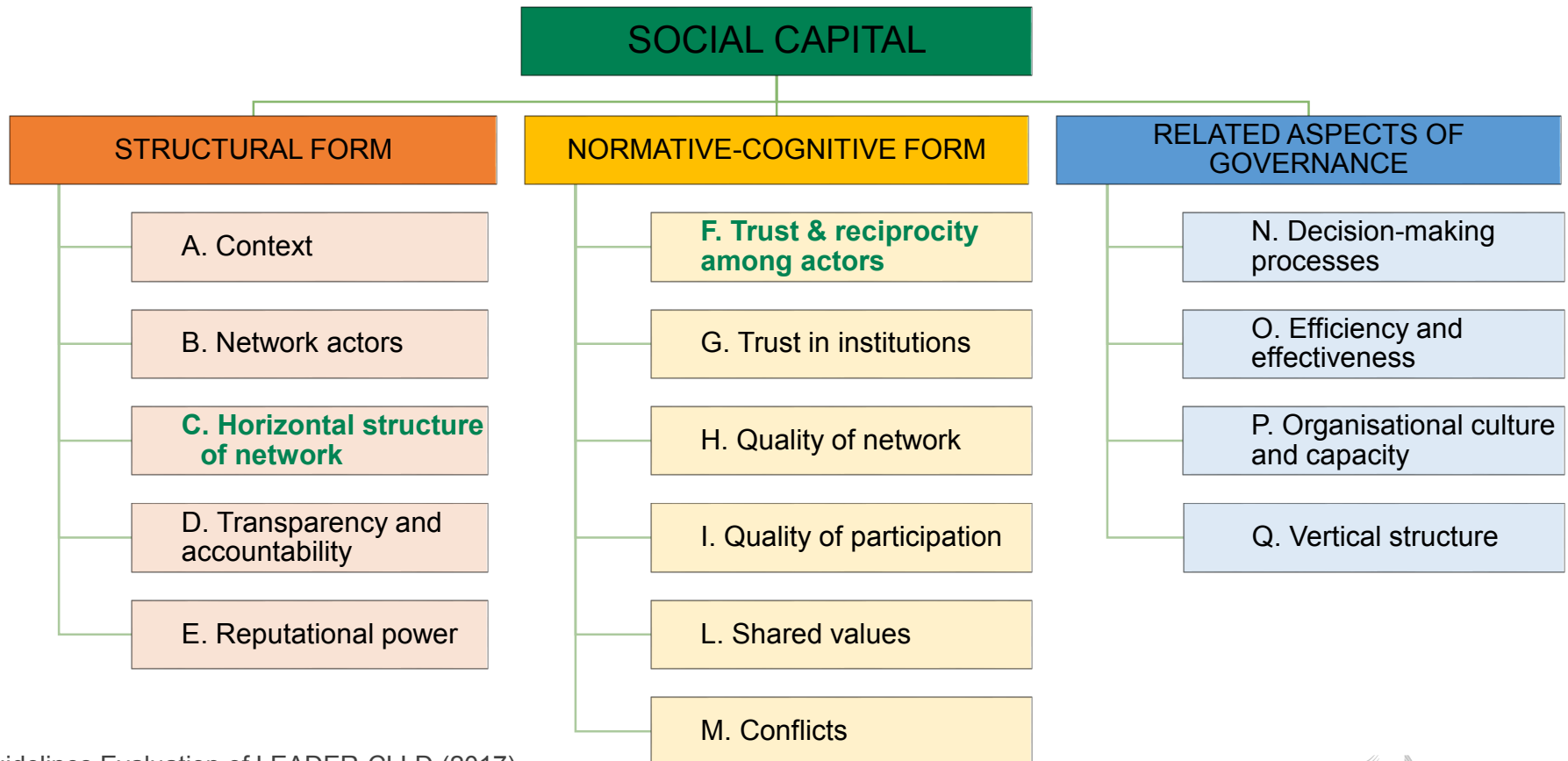
2. How did it start?

<p>Why?</p>	<ul style="list-style-type: none">• Different critical points emerging from the external evaluation of the LEADER Axis (2007-2013) in the Veneto Region pointing on the limited value added of the LEADER Approach.• Opportunity of a research project done by the University of Padova on <u>Social Capital and Local Development: from theory to practice</u> recently published by Palgrave MacMillan
<p>Who initiated?</p>	<ul style="list-style-type: none">• <u>LAG manager and staff</u> together with <u>Elena Pisani</u> of the TESAF Dep. of the University of Padova have jointly initiated <u>the assessment of these different forms of added value.</u>



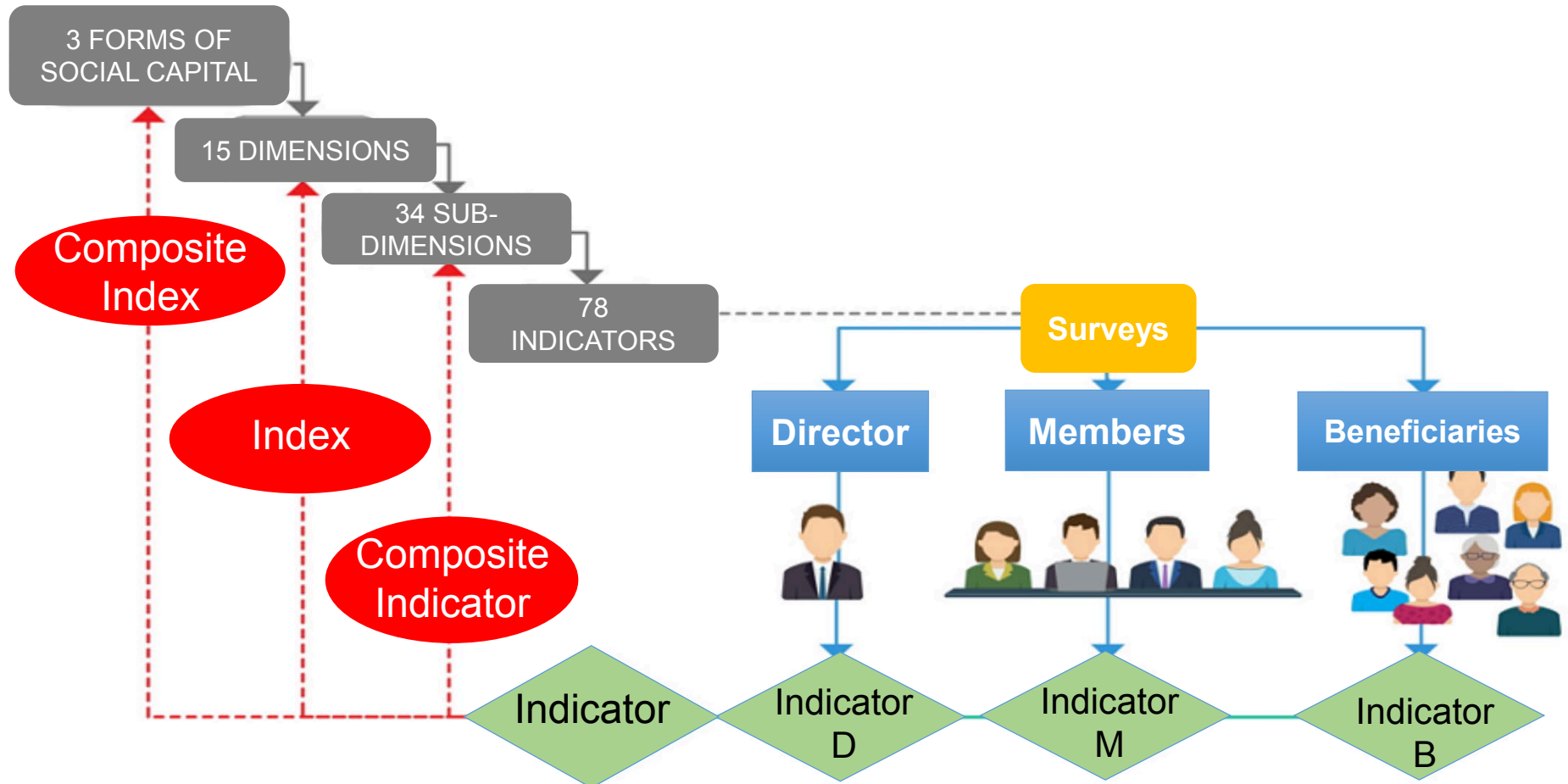
3. Evaluation framework

Social capital can be defined as “**networks together with shared norms, values and under-standings that facilitate co-operation within or among groups**”



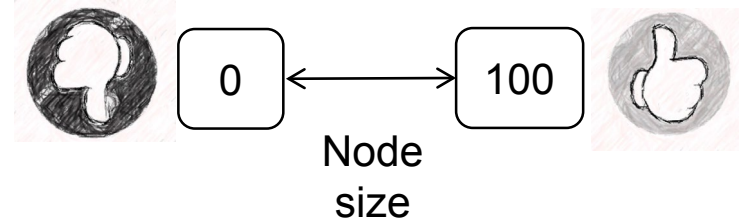
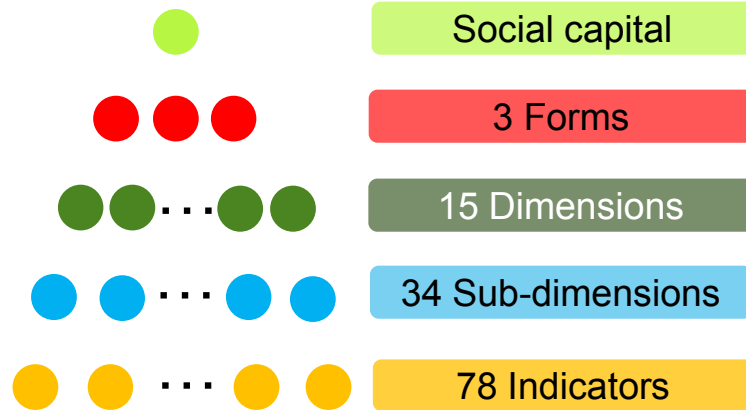
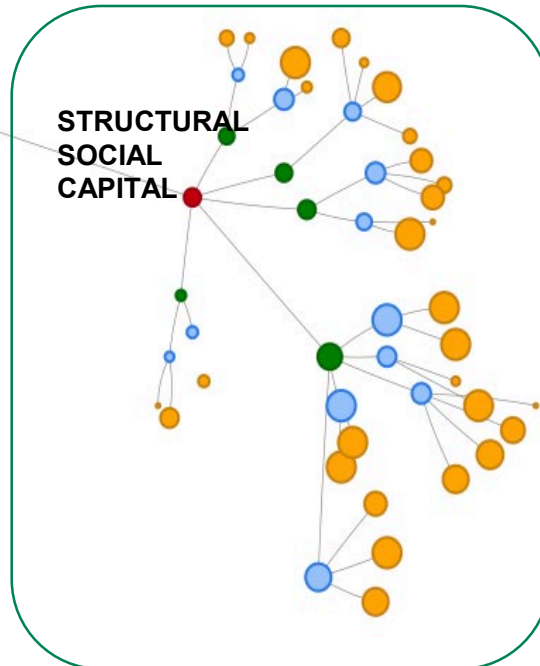
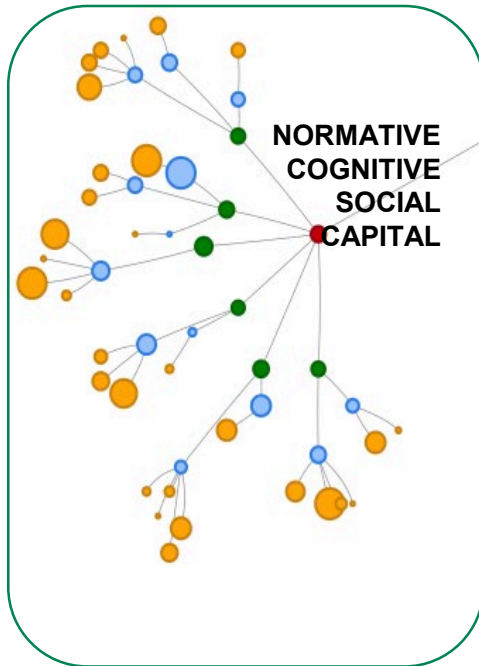
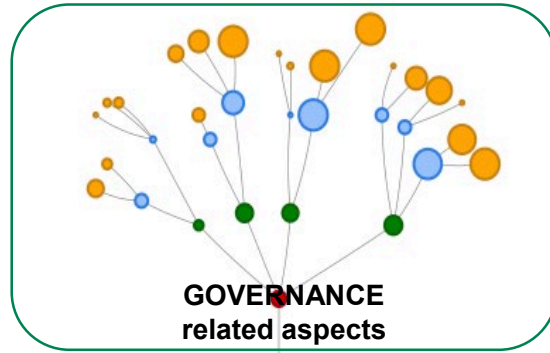


3. Evaluation approach





4. Using networks to represent (1)





4. Using networks to represent (2)

Legenda

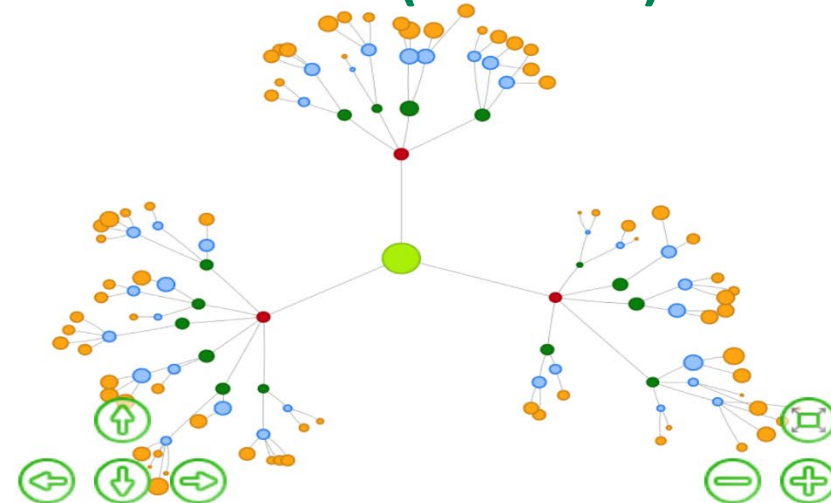
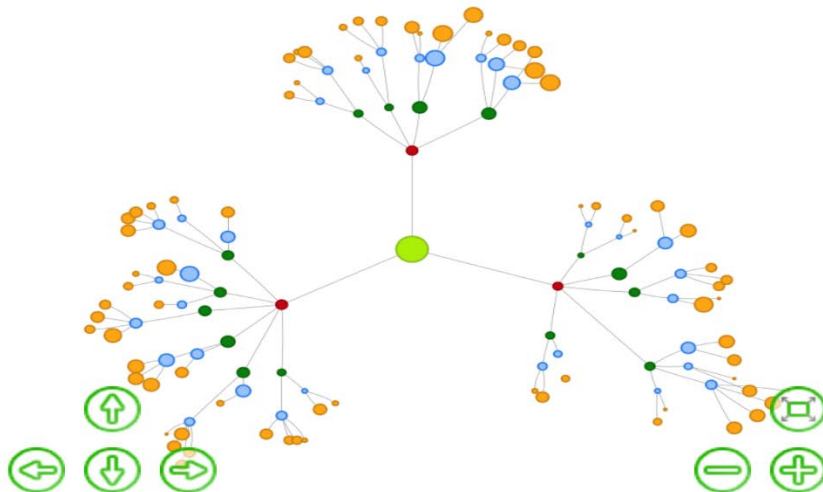


Rilevazione 2007-2013 | BASELINE

SOCIAL CAPITAL: 54.40

Rilevazione 2014-2020 | IN ITINERE

61.83 (+13.66%)



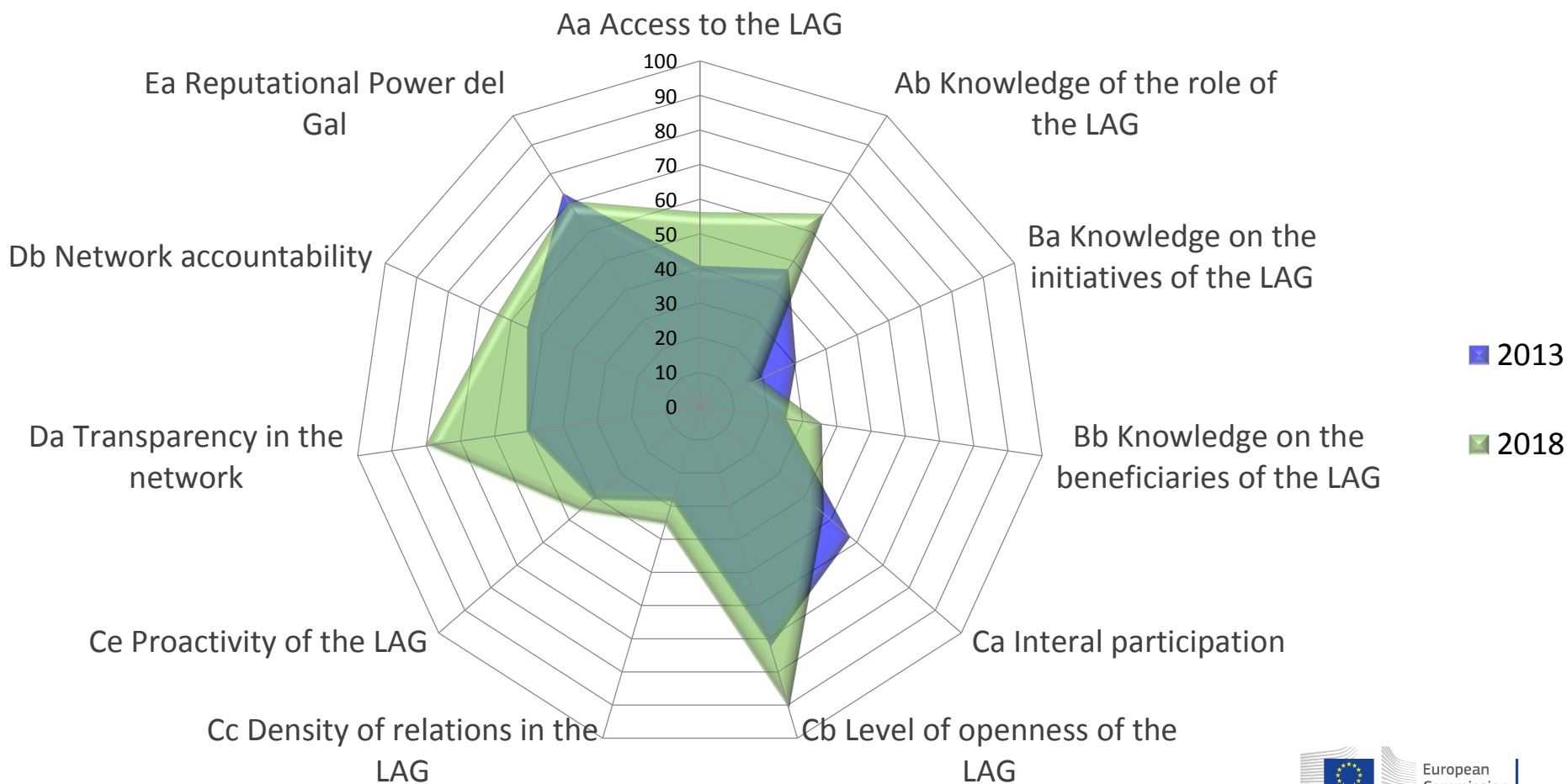
Rilevazione 2014-2020 | FINALE

<https://www.galprealpidolomiti.it/capitale-sociale/>



4. Result a: structural social capital

49.41 (2013) → **57.79 (+16.96%) (2018)**





4. Result b: normative and cognitive social capital

58.87 (2013) → **61.17 (+3.91%) (2018)**

Fa Internal level of trust in the LAG

Mb Beneficiaries' dissatisfaction with the LAG

Fb Beneficiaries' level of trust in the LAG

Ma Conflict among actors of the LAG

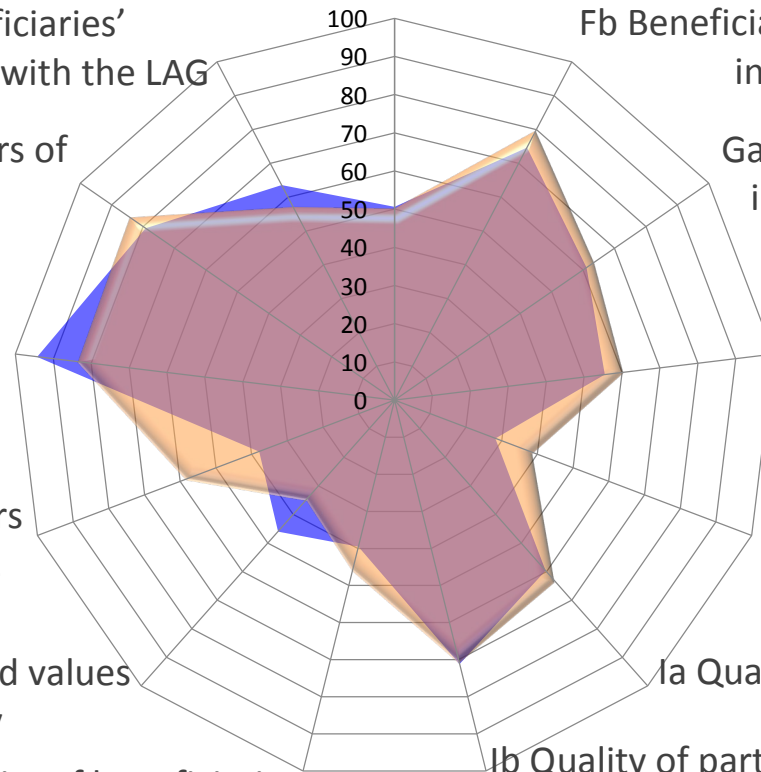
Ga Trust towards local institutional actors

Lc Identification with the territory

Ha Benefits received through the network

■ 2013

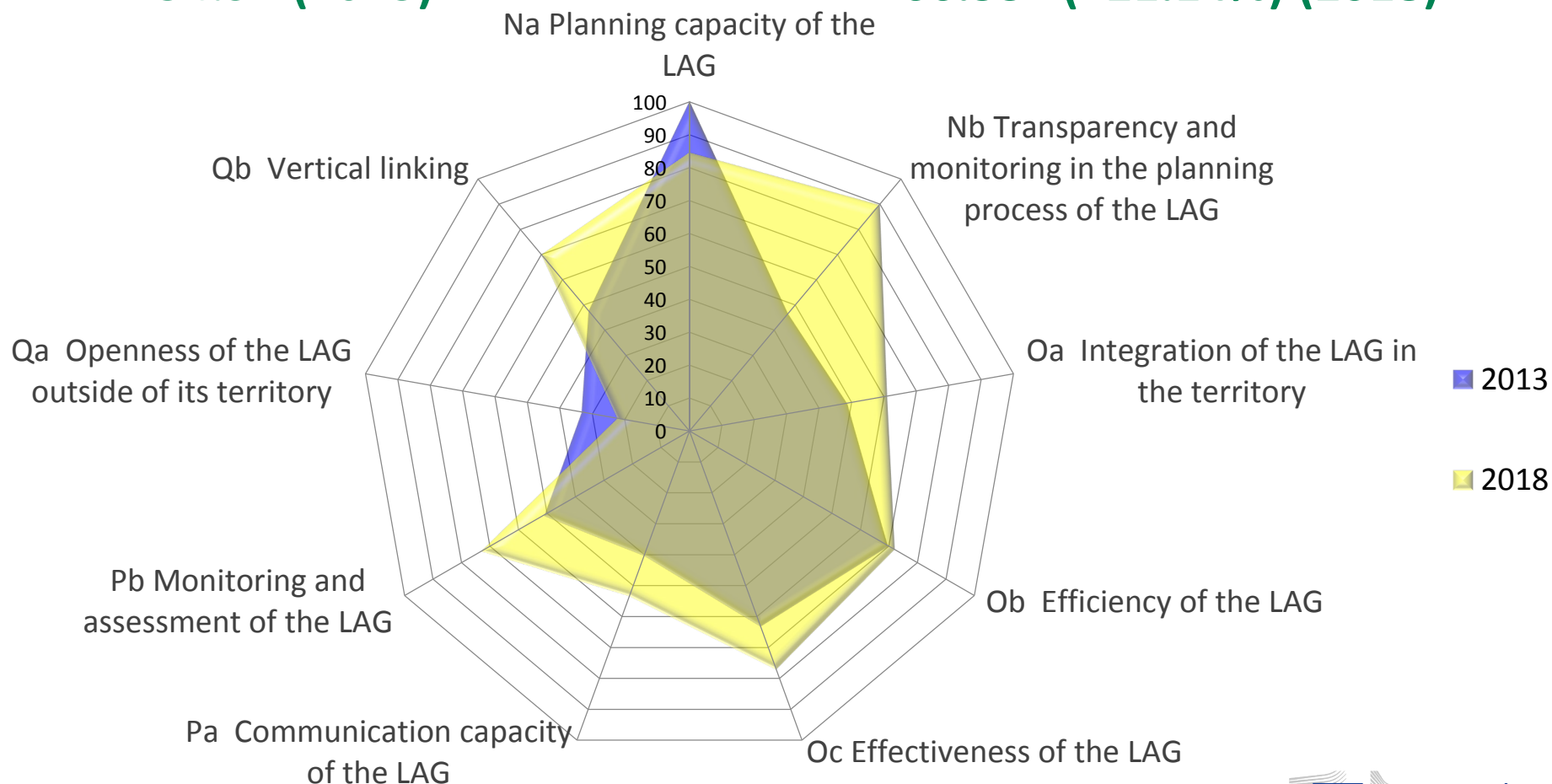
■ 2018





4. Result c: governance social capital

54.92 (2013) \longrightarrow **66.53 (+21.14%) (2018)**





5. Using SNA to measure

EVALUATION QUESTIONS	JUDGEMENT CRITERIA	INDICATORS
<p>To what extent did the HORIZONTAL STRUCTURE OF THE NETWORK lead to the generation of added value?</p>	Internal participation has increased	<p>C1 Average annual rate of attendance of LAG members at Board of Directors' meeting</p> <p>C2 Average annual rate of attendance at the LAG Assembly</p> <p>C3 Regular attendance of LAG members at formal meetings</p>
	Level of openness of the LAG has increased	<p>C5 Implementation of communication channels by the LAG</p> <p>C6 Outreach to new actors by the LAG</p>
	Density of relations in the LAG has increased	<p>C7* Density of the information network of the LAG</p> <p>C8* Density of the collaborative network of the LAG</p>
<p>To what extent did the TRUST AND RECIPROCITY AMONG ACTORS lead to the generation of value added?</p>	Internal level of trust in the LAG has increased	<p>F1. Rate of trust in the Assembly</p> <p>F2*. Rate of interpersonal trust by members</p> <p>F3*. Rate of isolation of members in the Assembly</p> <p>F4. Rate of trust in the Board of Directors</p> <p>F5. Changes in trust over time among members</p>
	Beneficiaries' level of trust in the LAG has increased	F6. Beneficiaries' level of trust in the LAG

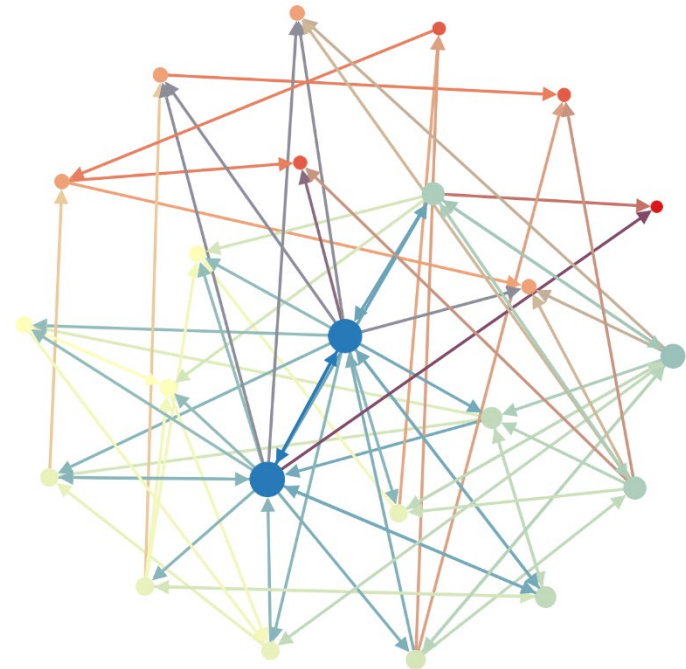


5. Using networks to measure: C7 – Density of the information network of the LAG

Square matrix: exchange of information among members thanks to the LAG

Graphical representation

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	0	0	0	0	0	0
2	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
6	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1	0	0	0	1	0	0	1	1	1
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1
12	1	1	1	1	1	0	1	1	0	1	0	0	0	1	0	1	1	1	0	0	0	0	0	0
13	0	0	0	0	0	0	1	0	0	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0
14	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	0	0	0	0	0	0	0
15	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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17	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	1	1	0	0	0	0	0
18	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	1	1	0	1	1	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
23	1	1	1	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0

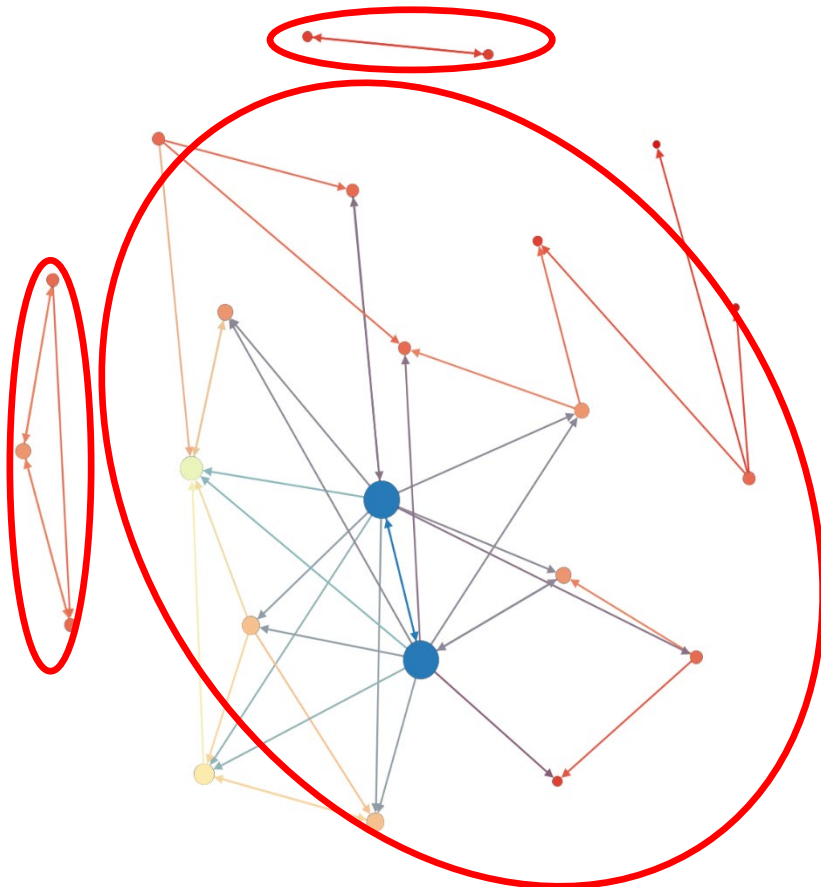


Two nodes in blue are public actors

They have the highest betweenness centrality



5. Using networks to measure: F2 – Rate of interpersonal trust by members

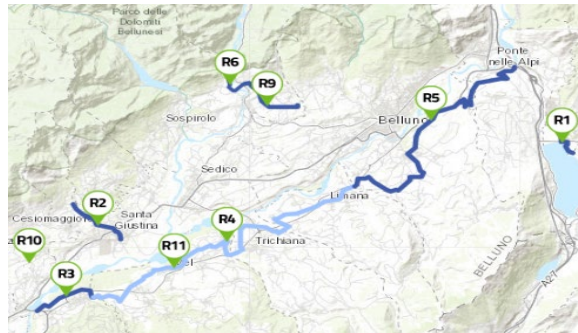


1. The two nodes in blue are public actors and they are at the centre of the trust network.
2. These two public actors are different from the ones at the centre of the information network.
3. The graphs is subdivided in three components and the relations are reduced compared to the previous graph on information sharing.
4. The trust relations are more present among public actors, while private actors are in more peripheral positions.



6. Actions and follow up

Structural social capital



R1 MESSA IN SICUREZZA DEL PERCORSO
CICLOPEDONALE LUNGO IL CANALE CELLINA
Comune di Alpago
👉 [Dettagli](#)

R2 RECUPERO TRACCIATO CICLO-PEDONALE IN LOC.
VELOS
Comune di Santa Giustina
👉 [Dettagli](#)

Normative-cognitive social capital



Related aspects of governance



Example of action:
dedicated tool

Example of action:
innovative agriculture

Example of action:
training courses



7. Reflections on the evaluation approach

Challenges encountered in assessing the added value of LEADER:

- ✓ Cultural challenge
- ✓ Simpler definition of social capital for communication purposes

Elements that worked out well, and could be transferred to other Member States:

- ✓ Training of the staff and interviewer
- ✓ Graphical representations (e.g. network graph, spider diagram, etc.)

Elements of caution to be considered:

- ✓ The SNA method has direct costs and indirect costs
- ✓ How to connect social capital with improved results



8. Additional information



CAPITALE SOCIALE E SVILUPPO LOCALE

DALLA TEORIA ALLA VALUTAZIONE EMPIRICA
IN AREE RURALI IN ITALIA

a cura di Giorgio Franceschetti, Elena Pisani, Raffaella Di Napoli

Roma 2015



MONITORAGGIO E VALUTAZIONE
GAL Prealpi e Dolomiti > Monitoraggio e Valutazione

Sistema di Monitoraggio e Valutazione del GAL Prealpi e Dolomiti

SCARICA LE RELAZIONI TRIMESTRALI

Il Sistema di Monitoraggio e Valutazione (M&V) del Programma di Sviluppo Locale (PSL) del GAL Prealpi e Dolomiti è stato avviato in collaborazione con il Dipartimento TESAF dell'Università di Padova e si sostanzia in **due prodotti** come previsto dal documento di indirizzo per il Sistema di M&V:

MONITORAGGIO FINALIZZATO ALLA VALUTAZIONE DI EFFICACIA ED EFFICIENZA

MONITORAGGIO FINALIZZATO ALL'AUTOVALUTUAZIONE DEL VALORE AGGIUNTO LEADER

SOCIAL CAPITAL AND LOCAL DEVELOPMENT

From Theory to Empirics

Edited by Elena Pisani,
Giorgio Franceschetti,
Laura Secco,
Asimina Christoforou



Thank you for your attention!

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