

The role of GIs in public goods production and SDGs achievement: a methodological proposal

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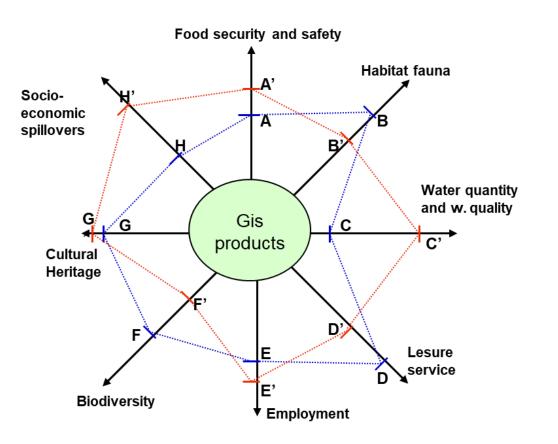
Worldwide Perspectives on Geographical Indications Montpellier, France – 5 to 8 of July, 2022

Research questions

- PGs, Geographical Indications and SDGs: where is the link?
- Why and how to assess SDG and related public goods externalities?
- How to analyse and to assess the capacity of the GI systems to impact on SDGs trough the code of specification and management rules?

Theoretical framework (1/4) Pubblic goods and agriculture

Public Goods refer to the concept of multi-functionality which consider a role for agriculture, as well as a productive one, also of social and environmental interest.



Static dimension:

The same process generates different sets of outputs if applied in different geographical contexts (joint production outputs)

Dynamic dimension:

Effects on all the secondary goods as a result of changes in the production process (*innovation*)

Theoretical framework (2/4) Food environments and SDG

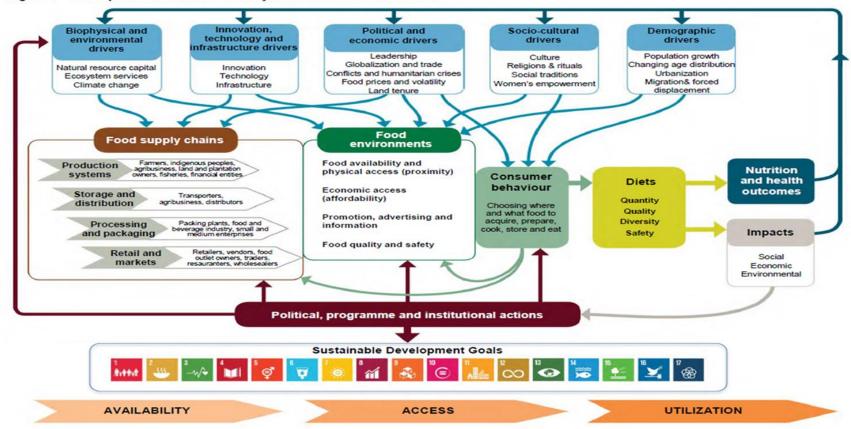
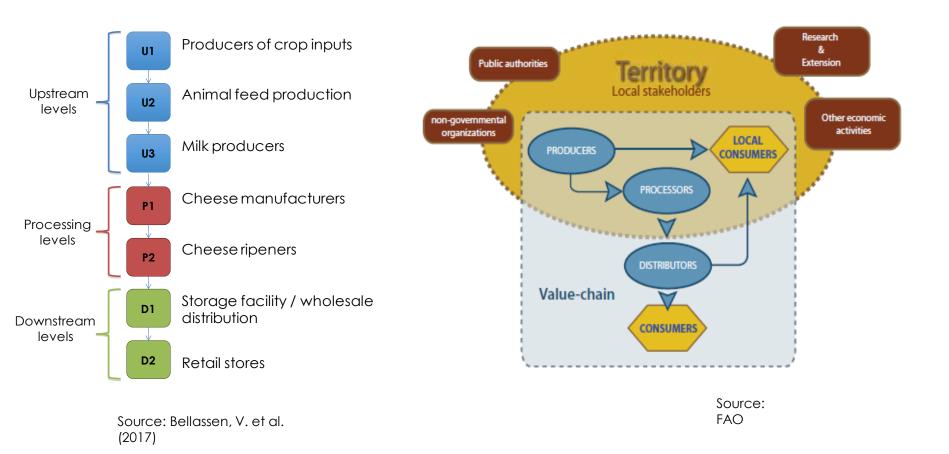


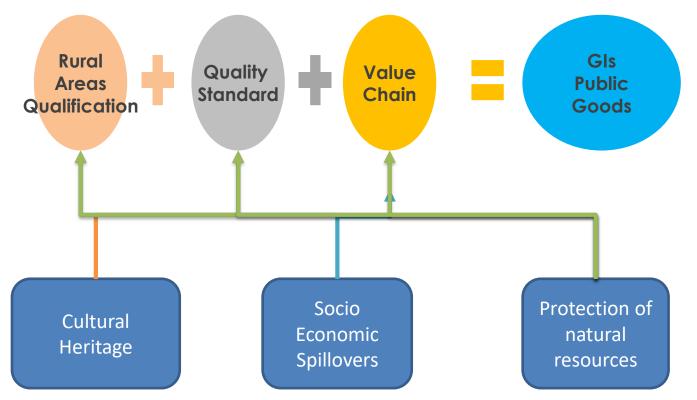
Figure 1 Conceptual framework of food systems for diets and nutrition

Theoretical framework (3/4) Value Chain Vs LAFS



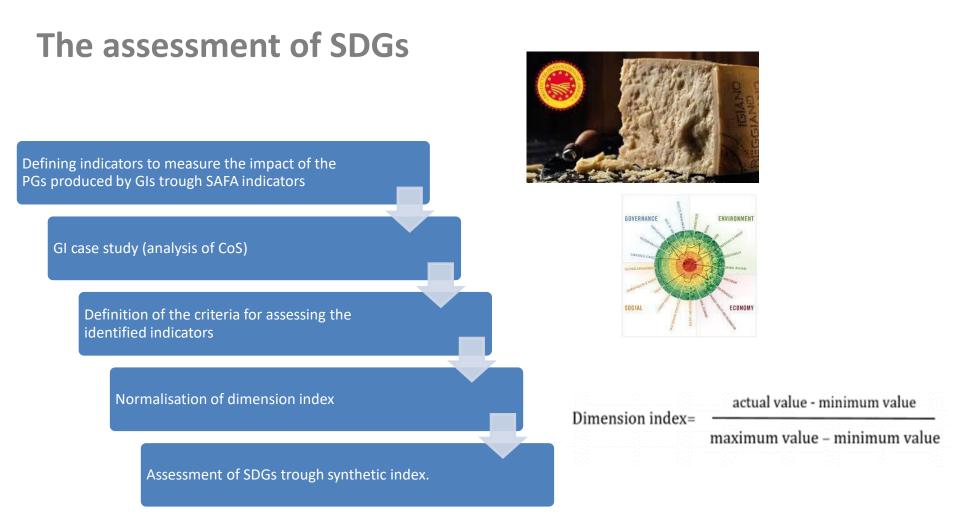
Theoretical framework (4/4)

The GIs rules towards sustainability



The assumption is that **GIs**, trough **collective rules**, set trough the Cos, contribute to the generation of Public Goods for the benefit of value chains and rural areas thanks to their positive impacts on natural resources, cultural heritage and socio-economic spillover effects...but **their value must be assessed, communicate and payed ...**



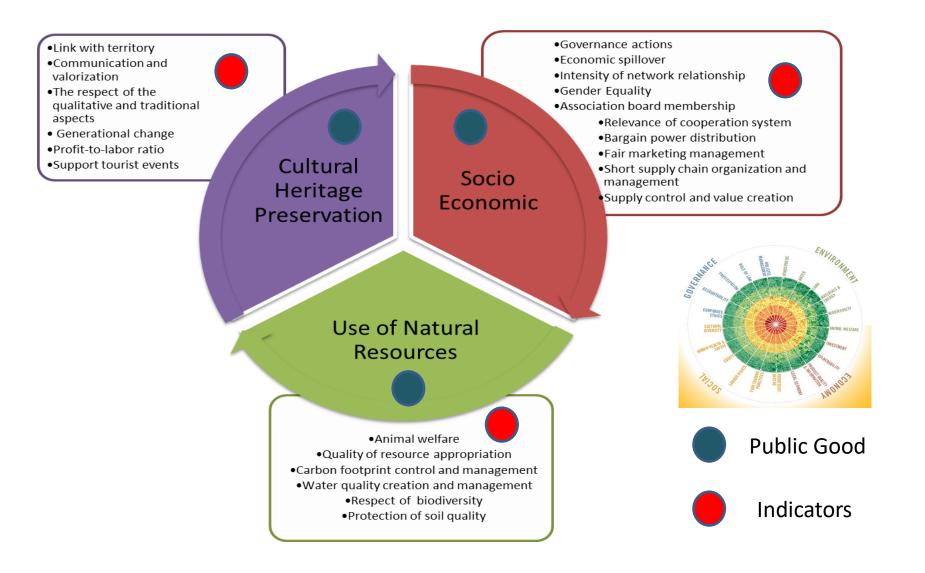


The objective is to assess the potential contribution of CoS to the achievement of the SDGs

$$Si = (I_{Economic} \cdot I_{Environmental} \cdot I_{Social})^{1/3}$$

How to asses the sustainability and PGs

The SAFA indicators for sustainability



			1	,		
	SDGs	SDG Targets	PG Indicators			
The SDGs			Productive system reaction to generational change			
	SDG1	1.2: Reduce poverty	Profit-to-labor ratio	1		
			Contribution to local economy			
SDG1 \rightarrow No Poverty	SDG4	4.3: Equal access to affordable technical, vocational, and higher education	Educational activities for producers and consumers	SDGs	SDG Targets	PG Indicators
SDG4 →Quality			Education-Professional training on the FQS	SDG13	13.2: Integrate climate change measures into policy and planning	Carbon footprint control and management
		5.1: End discrimination against women				Animal health
education	SDG5	and girls/ Target 5.5: Ensure full participation in leadership and decision-	Role of women			Animal stress from freedom
	SDG6	6.6: Protect and restore water-related ecosystems	Water quality creation and management		degraded land	
SDG5→Gender	<u> </u>			SDG15		Protection of soil quality- land quality
equality		8.1 Sustainable economic growth	Contribution to local economy Governance actions-research actions	-	15.5: Protect biodiversity and natural habitats	Respect for ecosystem biodiversity
equality		8.2: Diversify, innovate and upgrade for	Education-Professional training on the FQS	-		Respect for species biodiversity
		economic productivity	Fair marketing management- segmentation of			Respect for genetic biodiversity
SDG6 \rightarrow Water and		8.4: Improve resource efficiency in consumption and production	product Communication activities-guarantee the quality	-	16.6: Develop effective, accountable and transparent institutions	Governance actions- sustainability and corporate mission
Sanitation	SDG8		certification mark			Governance actions-agreement with local administration
SDG8 \rightarrow Decent work			Communication activities-external communication			Governance actions-accounting for sustainable and good management
SDG6 7 Decent work			Fair marketing management- marketing strategies			
and economic growth			Short supply chain oganisation and management- direct sales			Governance actions-monitoring system
			Supply control and value creation- production quotas			Governance actions-certification system
SDG12 \rightarrow Responsible		8.6: Promote youth employment, education and training	Productive system reaction to generational change			Governance actions-use of quality mark definition
Consumption and			Role of cooperatives in the supply chain governance			Governance actions-updating rules democratically
Production		safe working environments	Bargain power distribution-sustainability of supply chain structure	SDG16	16.7: Ensure responsive, inclusive and representative decision-making	Governance actions-manage of conflicts and dispute
			Bargain power distribution-individual or collective management of sustainable issues			Bargain power distribution-sustainability of supply chain structure
SDG13→Climate		8.9: Promote beneficial and sustainable tourism	Support turistical events			Bargain power distribution-individual or collective management of sustainable issues
action		12.1: Implement the 10-year sustainable consumption and production framework	Link with territory-Historical elements and sustainability	y 		Role of cooperatives in the supply chain governance
SDG15 \rightarrow Life on land			Respect of the qualitative and traditional aspects			Partecipation to board association
			Intensity of network relationship-link between society and producers		16.8: Strengthen the participation in global	Intensity of network relationship- relationship with
SDG16 \rightarrow Peace,	SDG12		Short supply chain oganisation and management- direct sales			local politics or administrations
justice and strong		12.b: Develop and implement tools to monitor sustainable tourism	Support touristic events		Governance actions-Market regulation systems	
		12.2: Sustainable management and use of natural resources	Quality of resource appropriation		1	
institutions		12.6: Encourage companies to adopt sustainable practices and sustainability	Governance actions- sustainability and corporate mission			
			Governance actions-monitoring system			

The assessment of SDGs

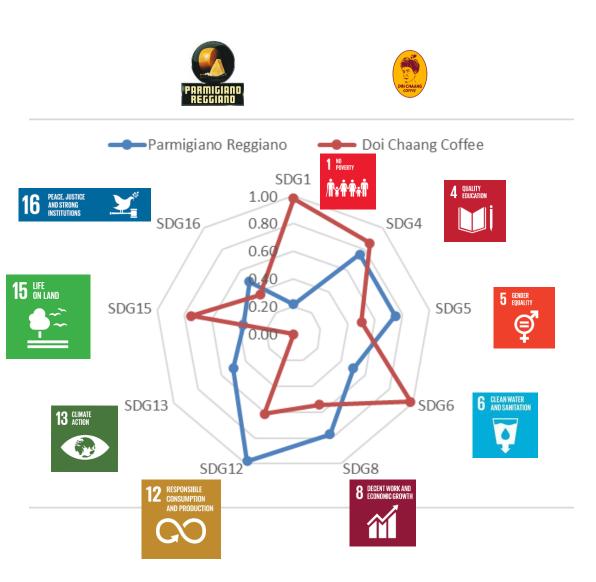
			Doi
		Parmigiano	Chaang
Code	Indicator	Reggiano	Coffe
Coue	Governance actions-	Reggiano	Cone
	sustainability and corporate		
SC 1		0.98	0.02
30_1	mission Intensity of network	0.98	0.63
	relationship- relationship		
	with local politics or	0.00	0.00
SC_2	administrations	0.98	0.98
	Governance actions-Market		
SC_4	regulation systems	0.98	0.25
	Governance actions-		
SC_5	agreement with local	0.1	0.1
	Governance actions-		
SC_6	monitoring system	0.98	0.63
	Governance actions-		
SC_7	certification system	0.98	0.75
	Governance actions-		
SC_8	conflicts and dispute	0.98	0.25
	Governance actions-		
	updating rules		
SC_9	democratically	0.1	0.1
	Governance actions-		
	sustainability and corporate		
SC_11	mission	0.1	0.1
	Governance actions-use of		
SC_12	quality mark definition	0.1	0.98
	Partecipation to board		
SC 13	association	0.98	0.98
	Role of cooperatives in the		
SC 14	supply chain governance	0.98	0.1
	Bargain power distribution-	5.00	5.2
	sustainability of supply		
SC 15	chain structure	0.98	0.75
50_15	Bargain power distribution-	0.58	0.75
	sustainability issues		
SC 16	managment	0.98	0.75
20_10	Inanaginent	0.98	0.75





The assessment of SDGs

	Parmigiano	Doi Chaang
	Reggiano	Coffee
SDG1	0.21	0.98
SDG4	0.75	0.86
SDG5	0.75	0.5
SDG6	0.5	0.98
SDG8	0.77	0.55
SDG12	0.98	0.61
SDG13	0.5	n/a
SDG15	0.37	0.75
SDG16	0.49	0.37



Key messages

- ✓ Sustainability and the compliance with SDGs should be proof and valorised
- ✓ Synthetic Index helps to assess the evolution of the GIs system considering the role of PGs and the SDGs targets, providing information to stakeholders and policy makers

Recommendations

- ✓ The use of indicators requires a great effort in selection, collection and elaboration of data with the cooperation of GIs local stakeholders
- ✓ CoS represents the tool aimed to reach the goal set by the SDGs.