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FOREST CARBON CODE IN ITALY AND THE VOLUNTARY CARBON CREDIT MARKET

Saverio Maluccio



**Nucleo
Monitoraggio
Carbonio**

***Osservatorio Foreste – Centro Politiche e Bioeconomia -CREA
Consiglio per la ricerca in agricoltura e l'analisi dell'economia agraria***



MONITORING CARBON CENTER

OUR MISSION: ANALYSIS, MONITORING OF VOLUNTARY FOREST CARBON MARKET IN ITALY AND MAKING IT MORE EFFICIENT AND TRANSPARENT.

THE PARTNERSHIP WITH ECOSYSTEM MARKETPLACE WILL LET OUR DATA BE PUBLISHED IN INTERNATIONAL REPORT WHICH IS CALLED :*"State Of the Forest Carbon Market 2016"*



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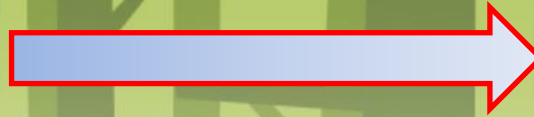
CONSIGLIO PER LA RICERCA IN AGRICOLTURA
E L'ANALISI DELL'ECONOMIA AGRARIA

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VOLUNTARY CARBON CREDIT MARKET

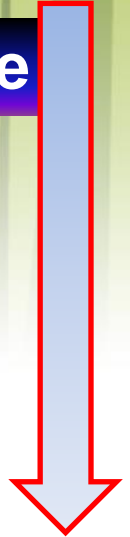
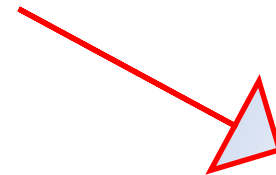


Carbon Credits

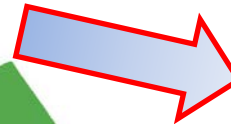
Italian Forest Carbon Code



Guarantee system



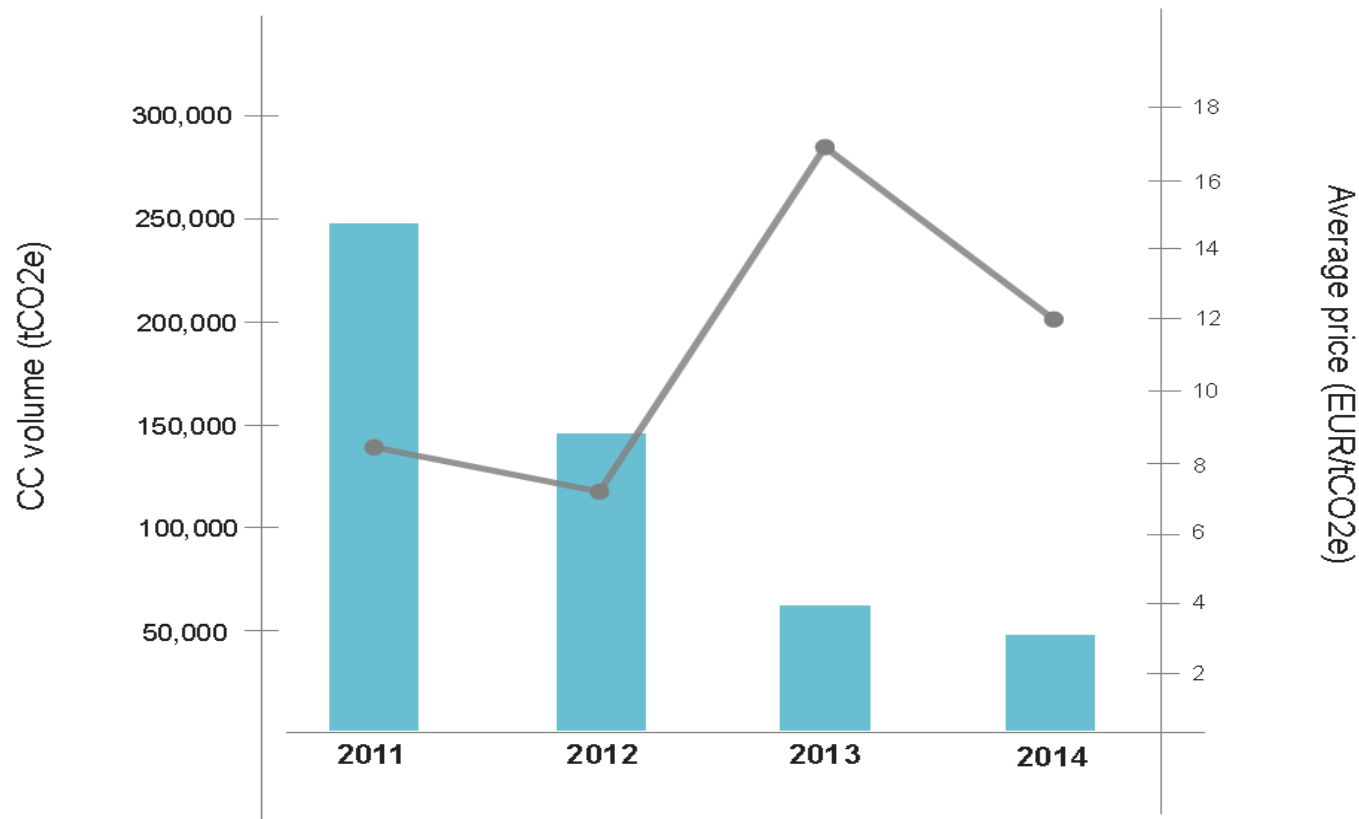
MAN LABOR



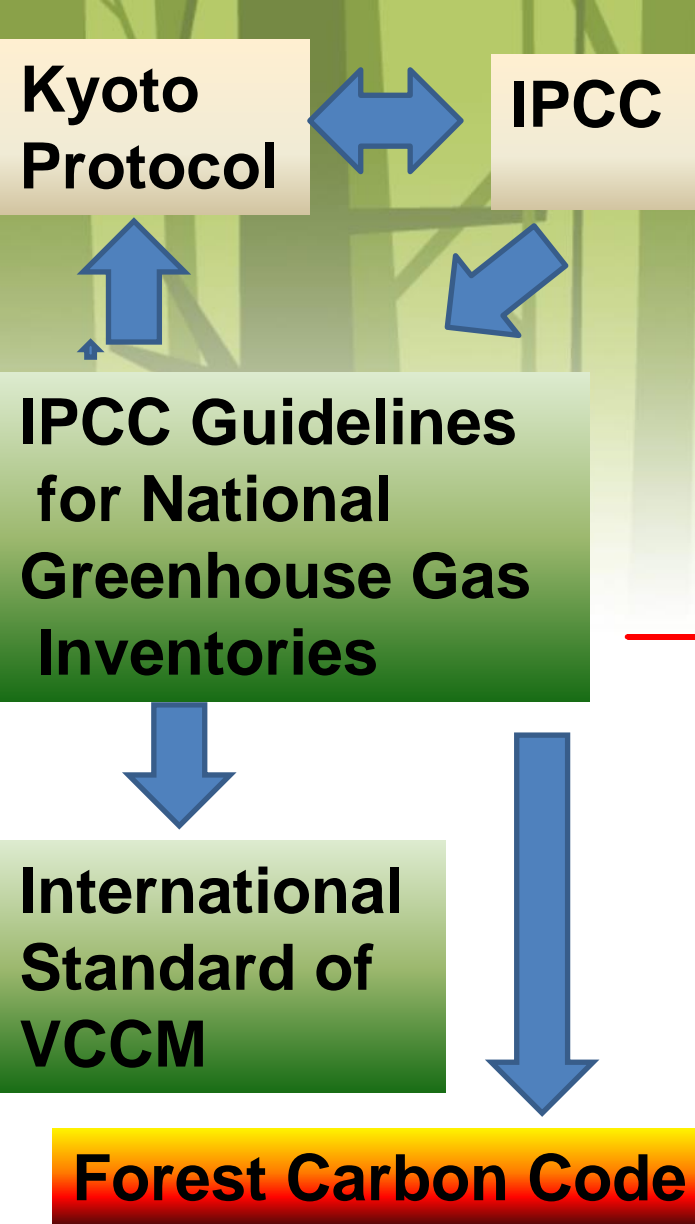
Reduction and offset
Voluntary emission



Voluntary Carbon Credit Market in Italy



■ CC volume (tCO₂e)
— Average price (EUR/tCO₂e)



KEY CONCEPTS

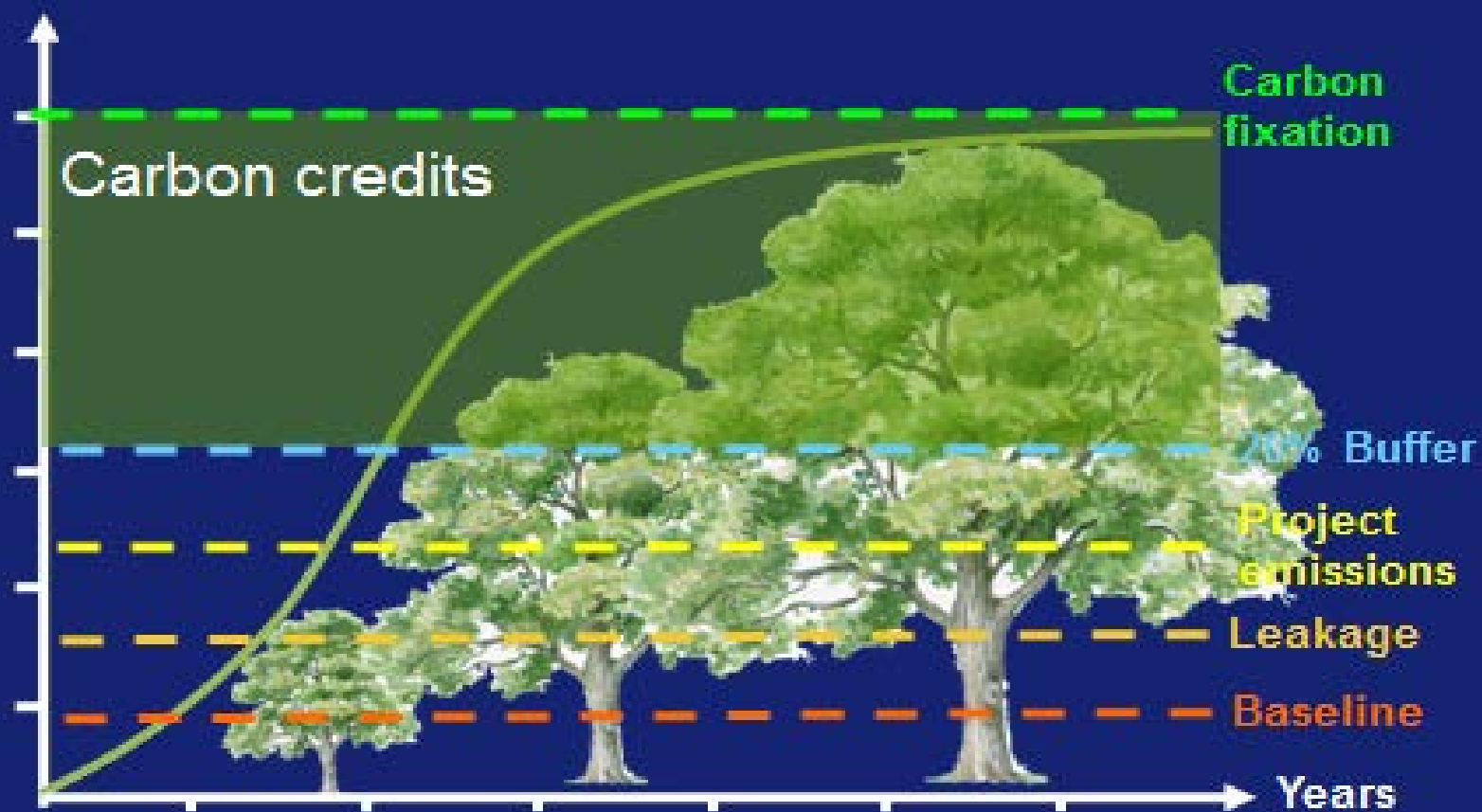
Additionality of project activities in order to go beyond the baseline. MAN LABOR

Permanence: Project manager has to hold a buffer of credit, so that to be ready for the risk .E.G. FIRE OR EPIDEMY

Leakage: some activities, performed in the project, can generate some emissions of CO₂ also out of project area

***Double counting,
Double claiming***

tCO₂



(Vohrer, 2013)

Classification of guarantee system in Italy

- 1) Statements released by mediators or project managers who use internal standards of the first party
- 2) Certificates provided by external institutions That use internal standards of a second party (compliance monitoring)
- 3) Certificates of independent accredited third party institutions that use third-party standards (standard certification)



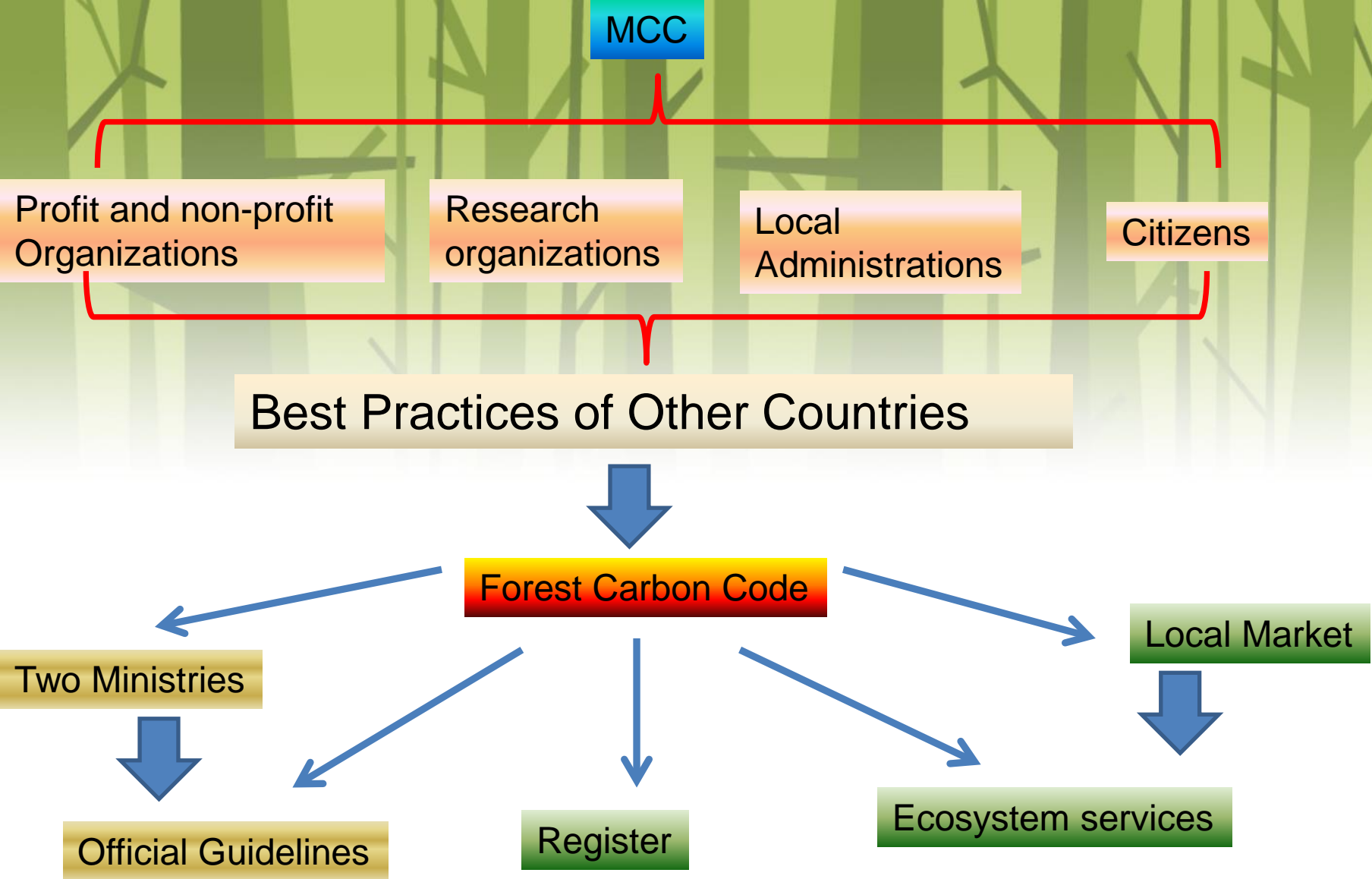
CERTIFICATION AND STANDARDS USED IN ITALY

Standard / methodology	βNeutral	CDM ¹	Carbomicro	Carbonmark	CO2 Resa	CEPK ²
Typology of certification (first-part = 1, second-part = 2, third-part = 3)	2	3	1	1	2	2
Standard / methodology	Guidelines Rina	PEFC ³	Treedom Standard	VCS ⁴	FSC ⁵	ISO 14064
Typology of certification (first-part = 1, second-part = 2, third-part = 3)	2	3	1	3	3	3

FOREST CARBON CODE (FCC)

sponsored by NMC

- ✓ The FCC defines guidelines for realization of forest projects, that will produce VCC in public and private areas
- ✓ It's a process that is shared with stakeholders who work actively in a carbon credit voluntary market.





Charte de la compensation volontaire des émissions de gaz à effet de serre



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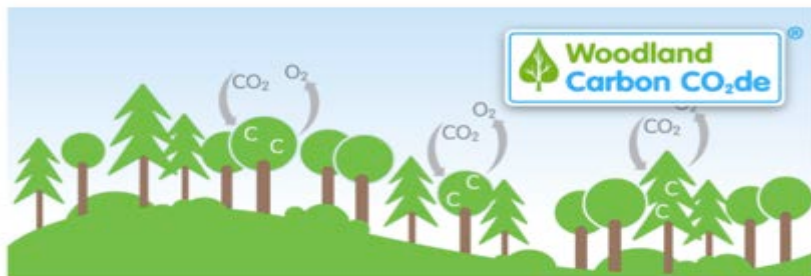
Home / Reducing Carbon / Carbon Farming Initiative

REDUCING CARBON

Reducing Australia's emissions

Carbon Farming Initiative

The Carbon Farming Initiative (CFI) allows farmers and land managers to earn carbon credits by storing carbon or reducing greenhouse gas emissions on the land. These credits can then be sold to people and businesses wishing to offset their emissions.



UK Woodland Carbon Code

Codice Forestale del Carbonio

Requisiti per progetti volontari di sequestro del carbonio

BOZZA IN CONSULTAZIONE

Versione 1.0



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Consiglio per la ricerca in agricoltura
e l'analisi dell'economia agraria

Forest Observatory INEA
Italian National Institute of Agricultural economics

DESIGN OF FOREST CARBON CODE

	PROCESS	DATE
0.1	Public Consultation	6 November 2012
	On-line Consultation	7-15 November 2012
0.2	Public Consultation	16 November 2012
	On-line Consultation	19 November -17 December 2012
0.3	Public Consultation	18 March 2013 Turin
	Public Consultation	16 December 2013
1.0	Public Consultation	16 December 2014
1.0	On-line Publication	http://www.rivistasherwood.it/serviziecosistemici/

N	TPOLOGY OF ORGANIZATION
4	PUBLIC
3	NON-PROFIT
12	PRIVATE
2	STANDARD
7	CATEGORY ASSOCIATION

The article 21 speaks about an institution of a voluntary national scheme for the evaluation and diffusion of the environmental footprint in order to promote the competitiveness of productive Italian system in the context of increasing demand of environmental high quality products in national and international markets.

20 Forest Carbon Code

Ministry of Environment and
Protection of Land and Sea

The Cop21 in Paris has declared the importance of voluntary market that it will have in the second part of KP confirming economical, social and environmental values of voluntary actions and their benefits, emphasizing on importance of civil society, private sector and local authorities that can make their contribution into gas emission reduction which can influence climate change.

December 2015



Carbon Credit



Ecosystem Services

Local Market



Green Marketing

Projects that have used FCC

CLIMATE AGREEMENT Raiano Municipality



Fondazione per l'Ambiente
Teobaldo Fenoglio
ONLUS

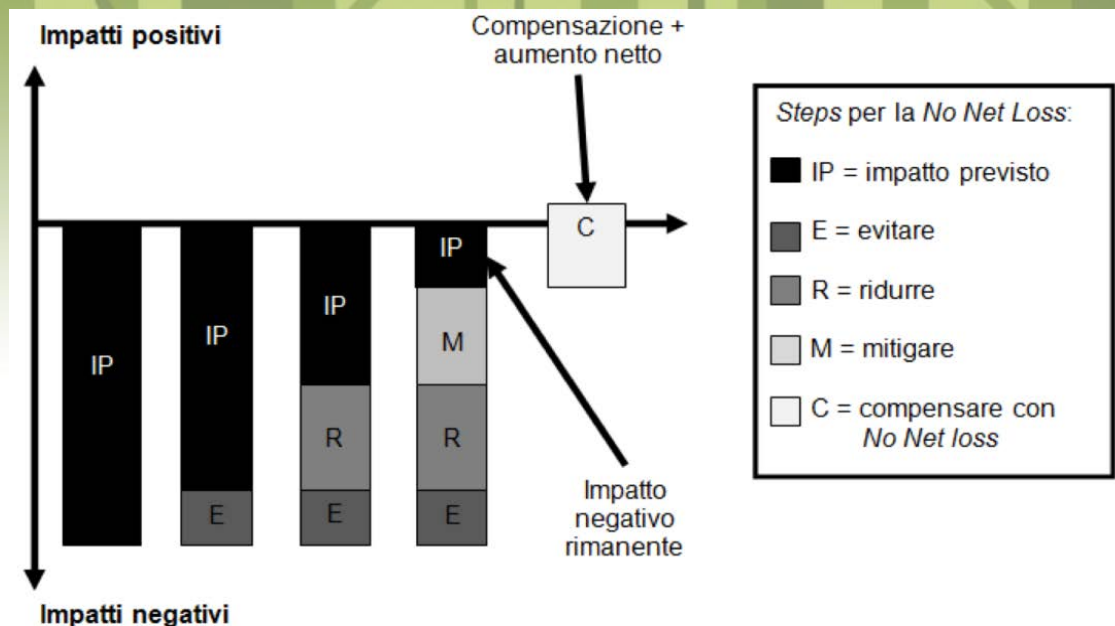
FOR CREDIT PROJECT

http://www.fondazioneambiente.org/index.php?option=com_content&task=view&id=291&Itemid=300

*Forest Observatory INEA
Italian National Institute of Agricultural economics*



Guidelines for credit buyers



Compensations



Local scale



MARC: Measure → Avoid → Reduce → **Compensate 10-15%**

CONCLUSION:

1. Keeping certification systems as simple as possible:

- Reduction of expences in small-scale projects;
- Integration of credit certification into FSC and/or PEFC;
- Group project for Micro and small Projects (cooperatives, associations, etc.);

2. Usage of registers to avoid risks of double counting

3. Local Market

4. Eco-system services

5. Additionality testing and permanence concept

6. MARC approach

Forest Carbon Code as a Tool of Protection of the Territory and Promotion of forest property

Forest resources:

PROTECTION AND PROMOTION
through Planning and Management

Situation
without FCC



Situation
with FCC



Forestry abandonment;
High grading;
Loss of eco-system services;
Limited economy potential.

Sustainable Forestry Management;
Mitigation and adaptation of CC;
Guarantee of eco-system services;
Production of sustainable goods;
Development of local economies (Local Market).



Thank you for your attention

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<https://twitter.com/#!/NucleoCarbonio>**

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