Ombre Azzurre – Blue Shadows

Kick Off meeting and 1st project workshop

Sulaymaniyah June, 21st 2018
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Riparian forestation and river rehabilitation: case studies and tools by European projects
Partecipatory process – the right key of each project:
International Model Forest Network

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Sulaymaniyah June, 21st 2018
Summary

- Brief introduction about my job and territory
- Main goals of Blue Shadows Project
- Some experiences and potential collaborations that may be useful to build a successful project:
  - INBIOWOOD LIFE PROJECT
  - INTERNATIONAL MODEL FOREST NETWORK (APPROACH)
Forest Engineer
Toni Ventre

Board Council Member
Director of forest workers training centre

Responsible of management, use and defense of territory (technical area)
Coordinator of International relationship thematic Committee
where I work... Tuscany, Italy
Foto aerea anno 1954
TERRITORY

- TOTAL SURFACE 546 KMq
- SURFACE OVER 600 m s.l.m. 227 KMq
- PEOPLE 64,000
- PEOPLE DENSITY 117 Ab./KMq
- WHOLE TUSCANY 151 Ab./KMq
- WHOLE ITALY 190 Ab./KMq
TERRITORY SPECIFICITIES:
OF TUSCANY...

- The largest forest surface in Italy (1,100,000 hectares - 50% of coverage)
- A specific regional forest law and rules addressed towards sustainable forest management
- A famous landscape known around the world...

..AND OF UCVV:

- Important forestal coverage by hardwood and resinous species (over 70% coverage)
- 2 rivers: Arno (the most important) and Sieve (main tributary)
- Wide biodiversity
- Active economic wood production, for thermic and structural use
- Agriculture production mixed with forest coverage
- Presence of many Public and Private Subjects for forest management and biodiversity protection
- Closeness with an important city like Florence.
The activities of UCVV – technical sector

1. Public forest properties (tuscany region)(PAFR)) management and Muraglione property (UCVV owner) 4.500 ha according to sustainable selvicolture rules;
   management of regional plant nursery
2. Training and qualification of forest workers (public and private) to improve safety standars and productivity level at the same time;
3. Management of the processes about agricultore and forest activities linked by specific regional laws (LR 39/00 e s.m.i.) (tagli boschivi, movimenti terra, ecc.) and, in associated way for the municipalities also for building activities;
4. Active partecipation in the integrated sistem fire fight of Tuscany region through the availability of specialized personell and destined;
5. associated management of burned forest areas inventory;
6. **Hydraulic maintenance of rivers**
7. Intermunicipality civil protection office;
8. Associated management of the enviromental impact evaluation processes;
9. Agricultore activities service (ecotourism, enviromental education etc.)
10. Field research activities in collaboration with UNIFI, CNR and others;
11. Actions to promote renewable energy sources
12. And…a lot more!
Offerta formativa

L'offerta formativa del Centro è finalizzata al rafforzamento delle professionalità e delle competenze dei diversi soggetti che, a vario titolo, lavorano in bosco.

Leggi tutto >>>
Key Activities

Training and qualification of forest workers (public and private) to improve safety standards and productivity level at the same time

Economic benefits and technical assistance by NP

Standard APROFOMO: some criteria to respect by forest enterprises about environment, job safety and health

www.formazioneforestale.it
What

A.2. Feasibility study

Analysis and systematic evaluation of the characteristics, costs and possibilities of a project on the basis of a preliminary general idea. It includes both technical and economic activities (cost-benefit analysis), which may or may not be for the implementation of the project.
Description, for the purposes of the **preventive assessment** of environmental sustainability and landscape compatibility of the intervention, **of the requirements of the project to be designed**, **of the characteristics and connections with the context in which the intervention fits**, with particular reference to the verification of the constraints environmental, historical, archaeological, landscape interfering areas or buildings affected by the intervention.
We priorly need to identify....

Problems and critical issues for the realization
WHAT TO DO TO ACHIEVE THE OBJECTIVES:
THE INBIOWOOD CATALOG

Thanks to Paolo Mori
Compagnia delle Foreste
The plantations 3P (Potentially permanent polycyclic plantations)

- **POLYCYCLIC**: plants in which there are simultaneously main plants with production cycles of different lengths.

- **POTENTIALLY PERMANENT**: the plantations are made up of blocks with main plants that have cycles of different lengths. Therefore the conclusion of the individual production cycles differs over time. At the end of each cycle it is potentially possible to introduce a new production cycle, equal or different from the previous one, while the main plants of the other cycles continue to develop.
DESIGN OF THE PLANTATIONS 3P

- **BLOCK**: it is the surface unit in which the plot is ideally divided

Medium long cycle

Short Cycle

Very short cycle

Each tree has own role!
DESIGN OF THE PLANTATIONS 3P

• Each block is characterized by:

1. The surface needed for the main plants of the longest production cycle to develop their crown
2. The arboreal and shrub species that will partially or totally utilize its surface, according to their role
3. The arrangement of the plants in the block and their mutual distance on which the productive area available for each plant depends, the productive objectives, the relationships of synergy and positive competition

Per piantagioni lineari e piantagioni in pieno campo
IT’S A GRAPHIC REPRESENTATION WHICH REPORT:

1. Shape and dimensions of the block
2. One block or more for each one of the productive cycles choosen (MLC, SC, VSC)
3. The mutual arrangement of main plants, double-role plants, ancillary plants
BRIEFLY.....
The combination of blocks to be inserted in the plantation depends on the needs of the communities.

1  MLC-3SC
Surface 12x13 m = 156 m²

Main Plants MLC, SC
Double role plants VSC
Ancillary plants arboreal and shrub species
Wether the needs of community (or entrepreneur or public administration) are different or going to change along time... plantation may be adapted too

1MLC – 2SC – 1VSC
Surface 12x13 m = 156 m²
Main Plants MLC, SC
Double role plants VSC
Ancillary plants arboreal and shrub species
...you can change according to the needs and objectives .....
….more logwood…or more wood for buildings or handcrafts…and so on..

1MLC – 1SC
Superficie 12x13 m = 156 m²
Main Plants MLC, SC
Double role plants VSC
Ancillary plants arboreal and shrub species
We have the same flexibility also designing linear plantations.
All the plant layouts created for the LIFE + InBioWood project were collected on a catalog that can be downloaded from the site www.inbiowood.eu

58 layouts for open field plantations
15 layouts for linear plantations
The block design allows to tune different characteristics:

- **Byodiversity:**
  - Different species for relating productive cycles
  - Presence of ancillary plants - arboreal and shrub species
  - None fertilizers
  - The alternance of the different cycles (MLC-SC-VSC) avoids a sudden reset of habitat.
CONCLUSIONS

The block design allows to tune different characteristics:

- **Multipurpose Plantations and better use of the space:**
  
  - According to the needs it’s possible to modulate, during design phase, number and composition of the blocks
  
  - Simultaneous presence of trees and shrubs with different roles and functions, allows to satisfy several objectives along next years
  
  - The right combination of plants that have different growth rates allows to better exploit the available space and to increase the capabilities of the plantation at the same time.
Another useful tool to achieve our goals...
Partecipatory process and knowledge sharing...

Sulaymaniyyah June,
21st 2018
TONI VENTRE – INTERNATIONAL RELATIONSHIP THEMATIC COMMISSION COORDINATOR FMMF
ELISABETTA GRAVANO – TUSCANY REGION DEPUTY FOR FMMF
STEFANO BERTI – MONTAGNE FIORENTINE MF PRESIDENT
General Information

Model Forest Name: Montagne Fiorentine

Year of Establishment: 2012

Number of Partners: 90 to date 108 total

Main motivation(s) for creating the MF: The association wants to help to improve the integration and sustainability of the forest and the land's management, increasing the cohesion and awareness of the net of all the social-economic components that directly or indirectly belong to our territory.
Vision and Mission

Based on the key challenges/motivation for establishing your Model Forest, state your MF vision and mission.

The association is proposed as a new instrument of governance of the forest and the agricultural and rural land and it will operate in the areas of the productive chains, the commercial distribution, the market, the environment, tourism, culture, recreation and the sharing aspects of the know–how.
International Model Forest Network
Vision and Mission

Our Vision
To support the sustainable management of the natural resources through a participatory, landscape-level approach that reflects environmental and socio-economic issues from the perspectives of local needs and global concerns.

Our Mission and Objectives
The primary mission of the IMFN is to establish a global network that represents most of the major forest ecosystems of the world and promotes participatory, landscape-level sustainable resource management. Key objectives are:

- To foster international exchange of ideas and solutions for the sustainable management of natural resources in forested landscapes
- To support cooperation on critical issues that underlie new solutions to sustainable landscape and natural resource management
- To support ongoing international policy discussions on the criteria and principles of sustainable natural resource management and development
What’s a Model Forest…

MF approach was born in Canada since 1992 and it’s based on:

- Wide partnership
- Who works about sustainable management of rural and forest territory
- And it must be the preferential and strategic way to improve, using innovation and governance, of the life quality in that territories
Governance

Funded by Natural Resources Canada—Canadian Forest Service with 2.5 FTE’s and modest operating budget
Governance

- Richard Verbisky – Head, IMFN Secretariat, lead for LAC, Canada
- Christa Mooney – Program Officer, Med, N. Europe/Russia, Int’nl Partnerships
- Nicolas Duval-Mace – Program Officer, Africa
- Virginie-Mai Ho - Program Officer, Asia
- Jean-Sebastien Levesque - Communications Officer
Key Activities

IMFNS:
• Multimillion dollar, 5-year project proposal advancing toward approval for FLR programming in 4-5 developing countries and lead by the Secretariat.

Africa:
• $20M, 5-year project proposal submitted to Global Affairs Canada. If successful, the project will strengthen model forest communities in DR Congo through improved nutrition and agroforestry practices.

Asia:
• Kyoto MF 10th anniversary.
• Indonesian government officials visited Ngao MF in Thailand. Key lessons:
  o Lasting community empowerment can come through good forest management practices
  o Government plays an important role in creating markets for forest products
Key Activities

Canada:
CMFN officially closed as a not-for-profit organization. Five Model Forests continue to operate (Prince Albert, Manitoba, Eastern Ontario, Fundy and Lac-Saint-Jean).

Norther Europe/Russia:
Czech Republic has joined IMFN as a candidate with membership assessment expected later this year. The MF is being led by a biosphere reserve and is 10 years in the making.

Latin America:
Peru’s third Model Forest, Villa Rica in the Amazon region, expected to become full member at June IAMFN Board meeting.
A session on “Model Forests as platforms for landscape restoration” in Tegucigalpa, Honduras - May 3, 4 and 5, 2017.
Latin America:
ECO – ADAPT PROJECT
The EcoAdapt Project, funded by the European Commission under its FP7 Research Programme, was a joint undertaking by four research and five civil society organizations from Europe and Latin America. This action-oriented research collaboration project took place in three Model Forests (MF) in Latin America — Jujuy in Argentina, Chiquitano in Bolivia and Araucarias Altos de Malleco in Chile — largely due to existence of active stakeholder networks in those landscapes.
The project focused on identification and implementation of measures that would enhance water security for long-term local development under the influence of climate change. Implementation of this project took place in a challenging environment of competition between the urgency for improving livelihoods of local people and the need to generate new scientific knowledge. The fear of future conflicts around water was one of the reasons for selecting water and watershed ecosystem services as the central topic of the project.
FLR

As a general trend, we are seeing an increase in interest in forest & landscape restoration across the Network & increasing interest from other organizations as to what IMFN is doing in this area

Why FLR?

• When properly implemented, FLR responds to most of the 17 SDGs, UNFCCC, UNCCD, Aichi Targets and other national or international commitments
• Mediterranean region is vulnerable to effects of climate change, desertification, and fire, among others
• Governance remains a key challenge in implementing effective landscape-level decision-making and integrated programming to deal with the multiple effects of climate change

*Model Forests are ideally suited to take on these challenges due to their inclusive governance structure operating at landscape scale*
Blue Shadows Project future.

We know well that for a lot objectives money are necessary ... for this we are going to build a good project ... but it’s still true we can create more shared richness with ours shared knowledges.....

... let’s go for working together!

GleK SUPAS!

Thank you for your attention

Toni Ventre

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