



ANNEX 4A - Synoptic Table of Ecological Sustainability Goals

| GENERAL GOALS | ECOLOGICAL SUSTAINABILITY OPERATIONAL GOALS | SHORT AND MIDDLE TERM GOALS | LONG TERM GOALS |
|---|--|---|---|
| <ul style="list-style-type: none"> • Safeguarding the preservation of habitats and animal / plant species (whether they are priority species or not) of community, national and regional interest pursuant to Habitats Directive 92/43/EEC; guaranteeing, through management actions, the preservation and/or restoration of the ecological balances characterizing those species and underpinning their preservation. | <ul style="list-style-type: none"> • Maintaining and preserving biodiversity; • Using its components in a sustainable way; • Reducing the causes for deterioration and decline of species and habitats; • Maintaining and improving the biodiversity level of habitats and species, the value of landscapes and the whole set of values thanks to which the area became a Natural Oriented Reserve (NOR); • Maintaining and/or restoring the ecological balances that underpin natural (ecological and evolutionary) processes; • Reducing the causes for decline of rare or endangered species, and the factors that might cause the loss or fragmentation of habitats within the area or in its adjacent territories; • Keeping under control and possibly reducing threatening activities for the ecosystem's ecological integrity; • harmonizing plans and projects for the area; • detecting and operating the necessary processes in order to promote the development of economic activities environmentally compatible with the area's preservation goals; • implementing social, political and administrative mechanisms in order to guarantee an active and harmonious management of Torre Salsa NOR. | <ul style="list-style-type: none"> • Protecting priority habitats (pursuant to 92/43/EEC) and typical species, in particular priority species; • safeguarding fresh water environments and their typical species; • preserving and safeguarding ecological values by gradually reducing the disturbance caused by human presence in the area, not compatible with safeguard goals. | <ul style="list-style-type: none"> • Raising awareness in the local population (in particular farmers, breeders and shepherds) for the safeguard and preservation of the natural environment and heritage (fresh water areas, samphires, marsh turtles, sea turtles, etc.): • Raising awareness among the local bodies in order to enhance Torre Salsa's NOR from the point of view of tourism and environment protection; • Managing agriculture and pasturing in an environmentally friendly way in the area of Torre Salsa NOR and its adjacent territories; • Safeguarding the biological connection between Torre Salsa NOR and the natural areas nearby (not necessarily protected), fostering the preservation of ecological networks; • Regulating the NOR area's fruition, according to the detection of environmental and/or conservation emergencies in the area. |



ANNEX 4B - Synoptic Table of Socio-Economic Sustainability Goals

| GENERAL GOALS | SOCIO-ECONOMIC SUSTAINABILITY OPERATIONAL GOALS | SHORT AND MIDDLE TERM GOALS | LONG TERM GOALS |
|---|---|--|---|
| <ul style="list-style-type: none"> • Preserving and promoting those crops that maintain the environmental, semi-natural and landscape features of the area, grown with traditional techniques. | <ul style="list-style-type: none"> • Reducing the risks of modifying natural biotopes, with special focus on the dune system and the traditional agricultural landscape; • Turning the NOR safeguard institute into the main tool for assisting, stimulating and implementing effective and incisive economic development actions, whose results can be appreciated in the short term, and whose aim is steadily increasing (for at least a year) employment rates; • Improving the conservation status of coastal biotopes; • Increasing biodiversity in the coastal woods; • Combining the fruition of natural goods with the archaeological goods in the Eraclea Minoa site, by connecting the area to a joint network with the Municipalities of Siculiana and Montallegro • Reverting and reorientating the farming production potential, also integrating traditional techniques with new technologies; • Fostering non-food production and sustainable forestry development; • Diversifying activities in order to develop complementary or alternative activities; • Maintaining and reinforcing a vital social fabric in the whole Reserve area; • Improving work and life conditions; | <ul style="list-style-type: none"> • Promoting quality tourism by including Torre Salsa NOR in the group of valuable sites in the Province of Agrigento; • Starting a sectorial and general information campaign to enhance Torre Salsa NOR, its institutive goals and the benefits it carries in socio-economical terms; • Promoting and implementing synergic actions with other local bodies, for an integrated enhancement of the area's natural and archaeological resources; • Creating consortia or cooperatives among farmers in the area, to enhance typical products (creating a logo for "Torre Salsa" farming products) and/or setting up traditional crops with the employment of organic (already in use) or biodynamic technique; assisting farmers in conservation and innovation improvements; • Increasing the area's fame, both at a national and an international level; • Diversifying and fostering a controlled fruition of the area; • Informing, raising awareness and orientating fruition, in order to increase sustainable tourism and reduce harmful behaviours; | <ul style="list-style-type: none"> • Setting up a sustainable management of the area and nearby territories in a harmonized and joint way; • Aiming at enhancing Torre Salsa NOR as a trigger for promoting new forms of economic and social development, compatible with the safeguard of biodiversity and the conservation of natural, historical and archaeological resources; • Raising awareness in the local community on the safeguard and conservation of Torre Salsa NOR, through benefits and positive results deriving from a correct fruition of the area. |



| GENERAL GOALS | SOCIO-ECONOMIC SUSTAINABILITY OPERATIONAL GOALS | SHORT AND MIDDLE TERM GOALS | LONG TERM GOALS |
|---------------|--|---|-----------------|
| | <ul style="list-style-type: none">• Maintaining and promoting low intermediate-consumption farming systems;• Safeguarding and promoting a high natural value and a sustainable agriculture, to respect environmental needs. | <ul style="list-style-type: none">• Promoting sustainable socio-economic initiatives, both inside the area and in its adjacent territories, to be carried out in cooperation with the local stakeholders and community;• Promoting typical farming organic products (e.g. olive oil, eating grapes)• Starting an information campaign for owners of abandoned or architecturally disharmonious rural buildings, to assist them in receiving concessions for reconstruction and elaborating a general plan – together with the Municipality- of admissible types of functional and aesthetic restoration of such buildings;• Preparing – together with the Municipality, the Province and categories of production (farming and tourist fields)- an action plan for residents and owners, pursuant with the goals of Torre Salsa NOR. The plan shall aim at increasing employment rates, for young people in particular;• Increasing the fruition potentials of the area’s natural, historical and cultural environment, through the construction of a series of structures (information centres, museums, routes, training centres, etc.), in cooperation with the Municipality and the Province and/or mixed companies or, again, special and/or youth cooperatives;• Improving the tourist fruition potential by fostering agritourism among farmers in the area, to integrate their primary income; | |



| GENERAL GOALS | SOCIO-ECONOMIC SUSTAINABILITY OPERATIONAL GOALS | SHORT AND MIDDLE TERM GOALS | LONG TERM GOALS |
|---------------|--|--|-----------------|
| | | <ul style="list-style-type: none">• Creating specific youth cooperatives to manage and develop new forms of sporting-nature tourism;• Fostering the development of a service industry that is able to enhance the local natural heritage (assistance to eco-tourists, nature guides, bird-watching infrastructure, path systems, cycle-path systems);• Fostering the preservation of traditional crops (to reduce abandonment of farming activities)• Fostering the use of organic and / or biodynamic farming techniques (to be carried out for farms in critical situations)• Fostering the transformation (also with coexisting traditional farming activities) of companies into tourist companies;• Promoting the setting up of consortia protecting, promoting and enhancing farming products, also through the use of special brands;• Detecting macro-actions in order to obtain better economic results from sustainable tourism at a local level;• Preparing instructions for a correct fruition of the natural heritage and landscape (sustainable tourism). | |



ANNEX 4C - Synoptic Table of Short-Term Actions

| RESEARCH, STUDIES AND CONSULTANCIES | PROMOTIONAL AND ILLUSTRATIVE MATERIAL | CONVENTIONS WITH THIRD PARTIES AND MANAGEMENT SERVICES |
|---|---|--|
| <ul style="list-style-type: none"> • “Geological site enhancement”, including the geological and geomorphological survey of the Reserve area (estimated expenditure € 20.000) (Province of Agrigento); | <ul style="list-style-type: none"> • “Rocks exhibition”, including the detection of visible lithologies, macroscopic and microscopic analysis, the creation of didactic-descriptive posters to be placed inside the visitors’ centre and along the Reserve’s nature trail, and the construction of an exhibition of the main rock samples inside the centre (estimated expenditure: € 50.000) (Province of Agrigento). | |
| <ul style="list-style-type: none"> • Completion of research on Emys trinacris (University of Palermo); | | |
| <ul style="list-style-type: none"> • Completion of research on wild rabbit (University of Palermo). | | |

| CONSTRUCTION OF INFRASTRUCTURES FOR FRUITION ACTIVITIES | ACTIONS FOR CONSERVATION AND SAFEGUARD | PERSONNEL TRAINING |
|---|--|--------------------|
| <ul style="list-style-type: none"> • “Omomorto Visitors’ Centre”, including the structure’s and adjacent areas’ maintenance and inside furnishing (estimated expenditure € 50.000) (Province of Agrigento); | | |
| <ul style="list-style-type: none"> • “New nature trail”, including supplementary maintenance of the path from Monte Cupolone to Cannicella, the restoration of an existing (partially destroyed) wall, the restoration of a gypsum “Calcarella”’s retaining wall, and the placing of didactic-descriptive posters (estimated expenditure: € 30.000) (Municipality of Siculiana); | | |
| <ul style="list-style-type: none"> • “Fire-prevention tower” including the acquisition, through voluntary surrender, of a fixed prefabricated fire-prevention wooden tower, sanitation and wooden ladder to reach the spot (estimated expenditure € 50.000) (National Forest Company); | | |
| <ul style="list-style-type: none"> • “Nursery of local species”, including the detection of species to reproduce, the collection of seeds and cuttings in the Reserve, the reproduction in Borgo Monsignore National Forest Company’s nursery, and all necessary nursery species (estimated expenditure: € 30.000) (National Forest Company). | | |



| ACQUISITION OF AREAS | PURCHASE OF EQUIPMENT, RELIEF EQUIPMENT AND OTHERS |
|---|--|
| <ul style="list-style-type: none">• "Acquisitions", which includes the region's acquisition of dune habitat, cliffs, juniper habitat, disused pits and the area of the Omomorto Visitors' Centre (estimated expenditure: € 110.000) (Province of Agrigento); | |
| <ul style="list-style-type: none">• "Restoration of tower and Pantano", including acquisition of the humid area between the Salso torrent and the road that takes to the sea, cleaning of torrent's bed, supplementary maintenance of the dirt road circumscribing the cultivated land humid area, construction of a wooden fence along the road, to circumscribe and protect the humid area, and construction of a small phytodepurator in the torrent at the Reserve's entrance (estimated expenditure: € 160.000) (Municipality of Siculiana). | |



ANNEX 4D - Synoptic Table of Middle-Term Actions

| RESEARCH, STUDIES AND CONSULTANCIES | PROMOTIONAL AND ILLUSTRATIVE MATERIAL | CONVENTIONS WITH THIRD PARTIES AND MANAGEMENT SERVICES |
|--|--|---|
| <ul style="list-style-type: none"> • Study on the planning of human activities for a development plan that is compatible with the Reserve. | <ul style="list-style-type: none"> • Reprint of the guide to the Reserve's flora with integrations and updates. | <ul style="list-style-type: none"> • Organisation of volunteer camps |
| <ul style="list-style-type: none"> • Scientific consultancy for the study carried out by Professor M. Lo Valvo (University of Palermo, Department of Animal Biology), and census of insect fauna, with special focus on the census and biology of rare and / or endangered species. | <ul style="list-style-type: none"> • Contribute to printing the book "Le aree carsiche nei gessi della Sicilia" ("Karstic areas in Sicily's gypsum"). | <ul style="list-style-type: none"> • Participation in national and international trade fairs for the promotion of natural heritage, typical products and tourist itineraries |
| <ul style="list-style-type: none"> • Study on the <i>Ammi crinitum</i> Guss plant species, through a field study and comparison with herbaria and literature on the topic, in particular with botanist Giovanni Gussone's herbarium and manuscripts, held in Naples, and publication of results. | <ul style="list-style-type: none"> • Production of promotional posters. | <ul style="list-style-type: none"> • Support to guided visit activities and management of visitors' centre |
| <ul style="list-style-type: none"> • • Census and presentation of all studies and scientific researches carried out in Natural Reserves. Organisation of technical workshops for training the personnel involved in scientific research inside the Reserve. Setting up a research and monitoring biodiversity protocol to be applied to Natural Reserves managed by WWF. | <ul style="list-style-type: none"> • Production of a video for didactic and promotional activities. | |
| | <ul style="list-style-type: none"> • Trust unit for joint promotion material for all WWF Reserves in Sicily. | |
| | <ul style="list-style-type: none"> • Production of a series of mobile display stands in order to have an information area on biodiversity and ecoregional conservation. | |
| | <ul style="list-style-type: none"> • Publication of pamphlet on the data collected on <i>Caretta caretta</i> turtles an/or on Sicilian <i>Emys trynacris</i> turtles (marsh turtles). | |



| SETTING UP OF INFRASTRUCTURE FOR FRUITION ACTIVITIES | ACTIVITIES FOR CONSERVATION AND SAFEGUARD | PERSONNEL TRAINING |
|--|---|--|
| <ul style="list-style-type: none"> • Purchase of signboards (road signs, information posters, ban on hunting, etc.) | <ul style="list-style-type: none"> • Construction of new fences to safeguard vulnerable areas | <ul style="list-style-type: none"> • Training courses and stages on: fruition activities, environmental education, surveillance activities, environmental legislation, nature topics, biodiversity and ecoregional conservation, information technologies, foreign languages, safety standards on the workplace, firefighting activities, first aid, etc. |
| <ul style="list-style-type: none"> • Setting up of didactic nature trail on gypsum karsts | <ul style="list-style-type: none"> • Continuing the placement of sea buoys to detect and indicate the sea stream facing the Reserve, which is in Porto Empedocle Harbour Office's competence, and to detect the corridors that allows boats to get to the beach; fencing (in national property areas) of landslide-risk beach (between the Reserve and Siculiana Marina) with stakes and wire net, and construction of a wooden fence in the beach located at the Reserve's western border, to set the Reserve's boundaries. | <ul style="list-style-type: none"> • Purchase of books and other material. Purchase of scientific textbooks for personnel refresher courses and for the nature library (for visitors and students), currently located in the Managing Organisation seat. |
| <ul style="list-style-type: none"> • Construction of a 1000 metres long trail for disabled people. | <ul style="list-style-type: none"> • Restoration of Monte Cupolone disused pits and areas of priority habitats inside (A) Reserve zone, through renaturalisation and nature engineering, using local germplasm. | |
| <ul style="list-style-type: none"> • Construction of walkways and infrastructure to allow access to the sea at torrent Salso's mouth for disabled people. | | |
| <ul style="list-style-type: none"> • Construction of two toilets to be built on WWF property, as a service for visitors. | | |
| <ul style="list-style-type: none"> • Maintenance of dirt roads inside the Reserve | | |
| <ul style="list-style-type: none"> • Substitution of the present reinforced | | |



| SETTING UP OF INFRASTRUCTURE FOR FRUITION ACTIVITIES | ACTIVITIES FOR CONSERVATION AND SAFEGUARD | PERSONNEL TRAINING |
|---|---|--------------------|
| concrete bridge for crossing the Salso torrent, that reduces the river bed's width, with a single-span wooden or iron (or other material) bridge. | | |

| ACQUISITION OF AREAS | PURCHASE OF EQUIPMENT, RELIEF EQUIPMENT AND OTHERS |
|---|--|
| • Acquisition of areas involved in Managing Organisation activities. | • Purchase of second service-car, new Panda 4x4. |
| • Acquisition of vulnerable areas and/or areas of natural interest. | • Purchase of fireproof equipment for personnel (smoke-proof glasses and oxygen masks, gloves, heat-proof boots, fireproof suit, fire flappers, etc.). |
| • Acquisition of "Pantano" houses and tower. | • Purchase or rent of boat to control the Reserve's beach. |
| • Acquisition of ruins and surrounding land for building fire-prevention tower. | • Aid for farms growing traditional crops, using organic techniques or converting to such techniques, pursuant to art.6 of the Reserve's regulation. |



ANNEX 4E - Synoptic Table of Long-Term Actions

| RESEARCH, STUDIES AND CONSULTANCIES | PROMOTIONAL AND ILLUSTRATIVE MATERIAL | CONVENTIONS WITH THIRD PARTIES AND MANAGEMENT SERVICES |
|---|--|--|
| <ul style="list-style-type: none"> • Conservation status monitoring and detection of priority areas for recovering the dune system, through the construction of fences to reduce the damage caused by sheep pasturing (pilot action activated thanks to LIFE 99/NAT/IT/6275) | <ul style="list-style-type: none"> • Triggering information activities in the area to enhance the natural heritage from a European standpoint (Natura 2000, new CAP, Structural Funds, Regional Operational Programme 2007-2013). | <ul style="list-style-type: none"> • Fundraising for beach reclamation and beach cleaning before the summer, without using mechanized excavation. |
| <ul style="list-style-type: none"> • Monitoring of conservation status of habitats and species (fauna and flora) of community, national and regional interest. | | <ul style="list-style-type: none"> • Research on possible access to community, national and regional funds to fulfil the goals of conservation and development, in cooperation with municipalities and provinces. |
| <ul style="list-style-type: none"> • Analysis of hydrogeological system of Torre Salsa NOR, to prevent possible hydrogeological problems in the area | | <ul style="list-style-type: none"> • Setting up of a Management Committee ("forum") with the Municipalities of Siculiana and Montallegro and the Province of Agrigento, to prepare projects and activities for a socio-economic development that is compatible with the natural environment's conservation; a similar forum will be set up with business associations of the farming and tourist sectors. |
| <ul style="list-style-type: none"> • Study of health conditions of wild mammals in the area | | <ul style="list-style-type: none"> • Preparing and starting a Fire-Prevention Plan (in cooperation with the regional Forest Service) |
| <ul style="list-style-type: none"> • Feasibility study for restoring the railway facing Torre Salsa NOR, to enhance the area; | | <ul style="list-style-type: none"> • Starting a shuttle service from Montallegro and Siculiana |
| <ul style="list-style-type: none"> • Fire-prevention plan | | <ul style="list-style-type: none"> • Signing a Memorandum of Understanding among the Province of Agrigento, Agrigento Education Superintendency, University of Palermo and Torre Salsa NOR's Managing Organisation, for university and pre-university education (credits). |
| <ul style="list-style-type: none"> • Survey of the ecological corridors | | |



| RESEARCH, STUDIES AND CONSULTANCIES | PROMOTIONAL AND ILLUSTRATIVE MATERIAL | CONVENTIONS WITH THIRD PARTIES AND MANAGEMENT SERVICES |
|---|---------------------------------------|--|
| <ul style="list-style-type: none"> Upgrading study on the flora of the ONR Torre Salsa | | |
| <ul style="list-style-type: none"> Survey on the phenomenon of the alien species | | |
| <ul style="list-style-type: none"> Drawing up activity on the guidelines for the management of the priority habitats and species (Habitat Directive) | | |

| SETTING UP OF INFRASTRUCTURE FOR FRUITION ACTIVITIES | ACTIVITIES FOR CONSERVATION AND SAFEGUARD | PERSONNEL TRAINING |
|--|--|-----------------------|
| <ul style="list-style-type: none"> Fencing, classifying and informing of potential danger in the coastal areas East and West of Monte Stella landslide; | <ul style="list-style-type: none"> Starting a harmonized and integrated management among all local stakeholders aiming at safeguarding the humid areas system (pilot action activated thanks to LIFE 99/NAT/IT/6275); | Up-to-dating courses. |
| <ul style="list-style-type: none"> Banning transit on the cart road located on the eastern side of Mount Eremita until a protection net to prevent landslides will be laid; | <ul style="list-style-type: none"> Restoring the strips of chasmophilous and psammophilous vegetation; | |
| <ul style="list-style-type: none"> Feasibility of the certification of the ONR Torre Salsa | <ul style="list-style-type: none"> Gradually eliminating exotic species (eucalyptus, etc.); | |
| | <ul style="list-style-type: none"> Enhancing and preserving traditional farming activities, to safeguard semi-natural environments; | |
| | <ul style="list-style-type: none"> Restoration and organic management of humid areas (Pantano area) (this action has been carried out only partially thanks to LIFE 99/NAT/IT/6275); | |
| | <ul style="list-style-type: none"> Explant and substitution of vegetation; | |
| | <ul style="list-style-type: none"> Setting up a series of buoys facing the coastline, in cooperation with Porto Empedocle (Province of Agrigento) Harbour Office; | |



| SETTING UP OF INFRASTRUCTURE FOR FRUITION ACTIVITIES | ACTIVITIES FOR CONSERVATION AND SAFEGUARD | PERSONNEL TRAINING |
|--|---|--------------------|
| | <ul style="list-style-type: none">• Safeguard of sea turtles (in cooperation with University of Palermo); | |
| | <ul style="list-style-type: none">• Safeguard of Sicilian marsh turtle (in cooperation with University of Palermo); | |
| | <ul style="list-style-type: none">• Safeguard of amphibians (Painted frog - Discoglossus pictus- and Green toad -Bufo viridis) (in cooperation with University of Palermo). | |

| ACQUISITION OF AREAS | PURCHASE OF EQUIPMENT, RELIEF EQUIPMENT, AND OTHERS |
|---|--|
| <ul style="list-style-type: none">• Research on modes and times of acquisition of buildings for the Managing Organisation's offices and centres; carrying out of procedures for projects, funding and tender. | <ul style="list-style-type: none">• Purchase of electrical craft (dinghy) to be used in the area facing Torre salsa NOR's body of water; |
| | <ul style="list-style-type: none">• Creation of children playground in the area adjacent to the Reserve. |