



Cambiamenti climatici, governo del territorio, Green Economy

XII Assemblea Nazionale Coordinamento Agende 21 Locali Italiane

Siena, venerdì 8- sabato 9 aprile 2011

Santa Maria della Scala, Piazza Duomo 1

Gdl Agenda 21 per l'Ambiente e la Salute

Attività in corso



Gdl Ag21 per l'Ambiente e la Salute

Obiettivi:

- Sollecitare l'attenzione sugli effetti sanitari in relazione ai diversi fattori di rischio ambientale al fine di promuovere una migliore integrazione tra conoscenze, Istituzioni, professioni ambientali e sanitarie;
- Favorire la diffusione di buone pratiche in tema di integrazione Ambiente e Salute;
- Promuovere ed esplicitare un migliore approccio metodologico, conoscitivo ed orientato alla azione
- Creazione di un Network nazionale tra enti ed associazioni che si occupano di Ambiente e Salute

Organizzazione del Gdl

- Coordinamento: Assessorato Ambiente Provincia di Modena
- Supporto Tecnico-scientifico: Centro Tecnico Regionale “Ambiente e salute” di ARPA Emilia-Romagna.
- Soggetti promotori:
 - ✓ ARPAT Toscana,
 - ✓ Azienda Provinciale Socio-sanitaria di Trento,
 - ✓ AUSL di Modena,
 - ✓ Comune di Arezzo,
 - ✓ Comune di Modena
 - ✓ Comune di Manfredonia

Outputs attesi

- Collaborazione e supporto tecnico-scientifico sulla tematica ambiente e salute agli altri Gdl di Ag 12
- Linee guida e manuali tematici sulla base di specifici progetti e piani di lavoro concordati nell'ambito del Gdl
- Condivisione di esperienze locali sul tema.
- Attività di formazione

“Tavoli di discussione” attualmente in atto

- Comunicazione, Ambiente e Salute.
(www.marketingsociale.net/aree/a21.htm)
- Clima nelle città: valutazione degli effetti ed interventi di mitigazione e adattamento
- Valutazione di Impatto sulla Salute (VIS) come strumento per la conoscenza e la partecipazione
- Aree ad alto rischio ambientale (?)

Risultati



Progetto europeo

“Isola di calore urbana”

Lead Partner: ARPA ER

Partner Associato:
Coordinamento Nazionale
A21

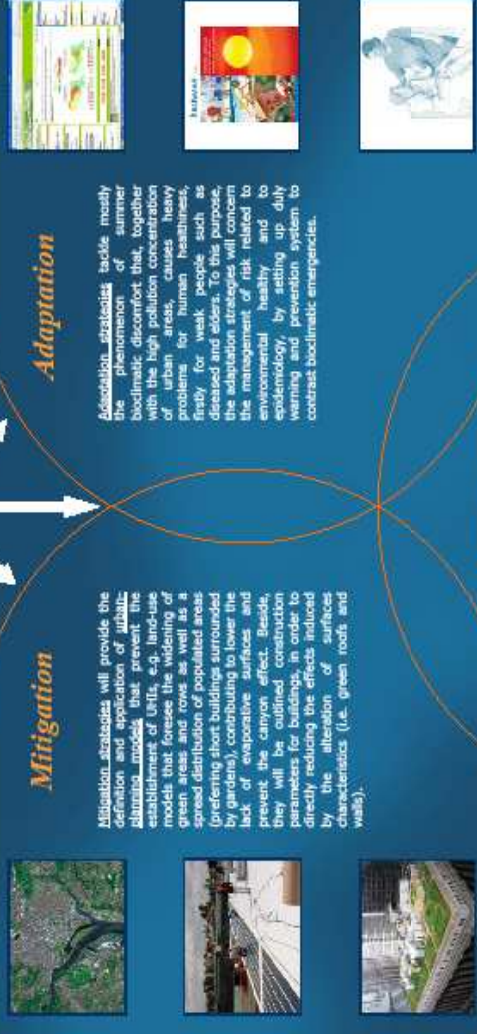
Approvato il 3/12/2010

Project title	Development and application of mitigation and adaptation strategies and measures for counteracting the global Urban Heat Islands phenomenon (UHI)																				
Programme	Operational Programme Central Europe Priority 3: Using our environment responsibly Aol 3.2: Reducing risks and impacts of natural and man-made hazards																				
Partners	<table border="1"> <thead> <tr> <th>Study area</th> <th>Partners</th> </tr> </thead> <tbody> <tr> <td>Bologna - Modena</td> <td> <ul style="list-style-type: none"> o Regional Environmental Protection Agency – ARPA Emilia Romagna (IT) (LP) o Emilia Romagna Region – Spatial Planning Dept. (IT) </td> </tr> <tr> <td>Venice – Padua</td> <td> <ul style="list-style-type: none"> o Veneto Region - Spatial Planning Dept. (IT) o CORILA – Consortium for Researches in Venice Lagoon (IT) </td> </tr> <tr> <td>Lodz</td> <td> <ul style="list-style-type: none"> o Municipality of Lodz (PL) o Nofer Institute of Occupational Medicine of Lodz (PL) </td> </tr> <tr> <td>Warsaw</td> <td> <ul style="list-style-type: none"> o Institute of Geography and Spatial Organization Dept. of Geoecology and Climatology (PL) </td> </tr> <tr> <td>Stuttgart</td> <td> <ul style="list-style-type: none"> o Karlsruhe Institute of Technology – KIT (DE) o Meteorological Institute - University of Freiburg (DE) o Municipality of Stuttgart (DE) </td> </tr> <tr> <td>Budapest</td> <td> <ul style="list-style-type: none"> o Hungarian Meteorological Service (HU) </td> </tr> <tr> <td>Prague</td> <td> <ul style="list-style-type: none"> o Charles University of Prague (CZ) o City Development Authority of Prague (CZ) o Czech Hydro-meteorological Institute (CZ) </td> </tr> <tr> <td>Wien</td> <td> <ul style="list-style-type: none"> o Technical University of Wien (AT) o Municipality of Wien (AT) </td> </tr> <tr> <td>Ljubljana</td> <td> <ul style="list-style-type: none"> o Municipality of Ljubljana (SI) o Scientific Research Centre of the Slovenian Academy of Sciences and Arts, Anton Melik Geographical institute (SI) </td> </tr> </tbody> </table>	Study area	Partners	Bologna - Modena	<ul style="list-style-type: none"> o Regional Environmental Protection Agency – ARPA Emilia Romagna (IT) (LP) o Emilia Romagna Region – Spatial Planning Dept. (IT) 	Venice – Padua	<ul style="list-style-type: none"> o Veneto Region - Spatial Planning Dept. (IT) o CORILA – Consortium for Researches in Venice Lagoon (IT) 	Lodz	<ul style="list-style-type: none"> o Municipality of Lodz (PL) o Nofer Institute of Occupational Medicine of Lodz (PL) 	Warsaw	<ul style="list-style-type: none"> o Institute of Geography and Spatial Organization Dept. of Geoecology and Climatology (PL) 	Stuttgart	<ul style="list-style-type: none"> o Karlsruhe Institute of Technology – KIT (DE) o Meteorological Institute - University of Freiburg (DE) o Municipality of Stuttgart (DE) 	Budapest	<ul style="list-style-type: none"> o Hungarian Meteorological Service (HU) 	Prague	<ul style="list-style-type: none"> o Charles University of Prague (CZ) o City Development Authority of Prague (CZ) o Czech Hydro-meteorological Institute (CZ) 	Wien	<ul style="list-style-type: none"> o Technical University of Wien (AT) o Municipality of Wien (AT) 	Ljubljana	<ul style="list-style-type: none"> o Municipality of Ljubljana (SI) o Scientific Research Centre of the Slovenian Academy of Sciences and Arts, Anton Melik Geographical institute (SI)
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Development and application of mitigation and adaptation strategies and measures for counteracting the global Urban Heat Islands (UHI) phenomenon



Urban Heat Island
 Increasing urbanization and climate change enhance the importance of this issue and point out the need of Setting Strategies and Implementing Practical Actions in the fields of



Mitigation

Mitigation strategies will provide the definition and operation of urban planning models that prevent the establishment of UHI, e.g. land-use models that focus on the planting of green areas and the planting of a covered distribution of vegetated areas (prefering short buildings surrounded by greenery) contribute to lower the heat of evaporative surfaces and prevent the canyon effect. Besides, they will be carried out in order to determine for buildings in order to directly reduce the effects induced by the alteration of surfaces characteristics (i.e. green roofs and walls).



Adaptation

Adaptation strategies tackle mostly the phenomenon of summer bioclimatic discomfort that, together with the high pollution concentration of urban areas, creates heavy problems for urban inhabitants, mostly for vulnerable people such as elderly and sick. The adaptation strategies will focus on the management of risk related to environmental health, and to epidemiology, by setting up daily warning and prevention system to contrast bioclimatic emergencies.



Monitoring

Investigation of the UHI phenomenon, considering its causes and the bio-physic factors that affect its intensity. In particular, activities relate on:
 1. analyzing out the UHI scenario and its related issues, through a collection of previous researches and experiences;
 2. analysis of the phenomenon for the involved territories, also throughout direct measurements (urban biometeorology techniques such as direct measures and remote sensing and infrared remote sensing);
 3. study of the interaction between UHI and climate change phenomena;
 4. provide the mapping of UHI hazards of the involved areas.



...risultati

- Collaborazione con gli altri Gdl di Ag21L sulla realizzazione del Patto dei Sindaci: **“DAL PATTO AL PIANO”** La pianificazione climatica locale.

Le Agende 21 locali per il Patto dei Sindaci e i Piani d'azione per il clima

...questo Workshop consolida il rapporto “ambiente e salute” anche all’interno di Ag21L, in collaborazione con ISDE (International Society of Doctors for the Environment) e Città sane

...risultati

- **PROGETTO VIS.PA:** (Progetto **Centro Controllo Malattie 2010 Min. Sal.**) Sperimentazione dell'utilizzo della Valutazione degli Impatti sulla Salute (VIS) a supporto dell'espressione dei pareri dei Dipartimenti di Prevenzione/Sanità Pubblica (DSP) in Conferenze dei Servizi (CdS) (linea progettuale ccm 3) AUSL Reggio Emilia /Regione Emilia-Romagna
- Progetto **LIFE +Environment Policy and Governance:** Valutazione partecipata degli impatti sanitari, ambientali e socioeconomici derivanti dal trattamento di rifiuti urbani. (In fase di valutazione)

...risultati

- Proposta di partnerariato nel Progetto INTERREG IV C: “IMPROVING EU REGIONAL “CO-OPETITION” (COOPERATIVE COMPETITION) IN HUMAN NEEDS” to be financed by the European Regional Development Fund

*EU-INTERREG IV Call
(to be approved)
IFC-CNR and Italian Local Agenda
21 collaboration at a local and
regional level*



Altre collaborazioni attive

- ANCI,
- Gdl “Ambiente e salute” delle agenzie ambientali,
- CNR-IFC,
- Regioni Marche, Piemonte, Sicilia, Emilia Romagna,
- Asl Città di Milano, Avezzano,
- SIASS (Scuola Internazionale Ambiente Salute e Sviluppo sostenibile)



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Grazie per l'attenzione

