

**UNIT I - slides**

- I.0
- I.1.0 - Why do we need green spaces in cities?
- I.1.1. a - Every town represents a specific way ...
- I.1.1.b - In general, green spaces in urban areas give ...
- I.1.1.c - For this reason, green spaces are an ...
  
- I.1.2 - Green spaces: an urban component and an asset..
- I.2.0 - Green spaces in the industrial city...
- I.2.1 - Urban green spaces: a fundamental need ...
- I.2.2.a - Green spaces in pre-industrial towns ..
- I.2.2.b - Green spaces in industrial cities ....
  
- I.2.3 - Green spaces in industrial cities...
- I.2.4 - Green spaces in industrial cities...
- I.2.5 - Green spaces in industrial cities...
- I.2.6 - Green spaces in industrial cities....
- I.2.7.a - In contemporary industrial cities...
- I.2.7.b - Successful management of the problems .....
- I.2.7.c - A strategy favouring the interests ....
- I.2.8 Green spaces: a pre-requisite for modern cities
  
- I.3.0 -Town and open spaces today: the current picture
- I.3.1 -Nowadays, towns are undergoing some...
- I.3.2.a - An established model of modern cities: ...
- I.3.2.b - The influence of dramatically changing production ....
- I.3.3 The complexity of urban phenomena make...
- I.3.4 Green spaces can contribute to solve. ..
- I.4.0 – What contribution can green spaces in order to..
- I.4.2. a- The current development model is threatening ....
- I.4.2..b - Sustainable development necessarily involves ...
- I.4.3 - How can green spaces be a resource ...
- I.4.4 - An integrated approach is useful to:
- I.4.5 -Green spaces are the engine rooms for urban growth
- I.5.0 - Why do we need a green strategy? ...
- I.5.2 - Why do we need a green strategy?
- I.5.3 - A green strategy is obtained integrating four factors:
- I.5.4 - The making of a green strategy: the economic factor
- I.5.5 The making of a green strategy: the social factor

**Picture Credits**

- No picture
- Photo: Monica Bocci, Amsterdam, Netherlands, 2007
- Photo: Monica Bocci, Amsterdam, Netherlands, 2007
- No picture
- Picture: Mike Osbun - Modified by Studio Tangherlini, Ancona, Italy, 2007
- Photo: Studio Tangherlini, Ancona, Italy, 2007
- Photo: Monica Bocci, Rotterdam, Netherlands, 2007
- Photo: IOER, Leipzig, Germany, 2006
- Photo: IOER, Leipzig, Germany, 2006
- Aerial view of City of Karlsruhe, Germany- Source: [www.google.com](http://www.google.com)
- Photo: Monica Bocci, Amsterdam, Netherlands, 2007
- Photo: Monica Bocci, Amsterdam, Netherlands, 2007
- City of Bydgoszcz, Poland, 2006
- Photo: Monica Bocci, Amsterdam, Netherlands, 2007
- Photo: Monica Bocci, Den Haag, Netherlands, 2007
- Studio Tangherlini, Ancona, Italy, 2007
- Studio Tangherlini, Ancona, Italy, 2007
- Photo: Bydgoszcz, modified by Studio Tangherlini, Ancona, Italy, 2007
- Photo: IOER, Volos, Greece, 2006
- Photo: IOER, Volos, Greece, 2006
- Studio Tangherlini, Ancona, Italy, 2007
- Photo: Henrique Pessoa, Milan Italy, 2005
- No picture
- Photo: Monica Bocci, Paris, France, 2004
- Photo: Monica Bocci, Amsterdam, Netherlands, 2007
- Photo: Monica Bocci, Paris, France, 2004
- Modified by Studio Tangherlini, Ancona, Italy, 2007
- No picture
- No picture
- Photo: Monica Bocci, Amsterdam, Netherlands, 2007
- Photo: Monica Bocci, Amsterdam, Netherlands, 2007
- No picture
- Photo: R. Bendner , Dresden, Germany, 2006
- No picture
- No picture

I.5.6 - The making of a green strategy: the ecological factor	Photo: Milan (Italy) aerial view- source. <a href="http://www.googleearth.com">www.googleearth.com</a> - Modified by Studio Tangherlini, Ancona, Italy, 2007
I.5.7 - The making of a green strategy....	No picture
I.5.8 - Adopting a strategic vision... ..	Photo: IOER, Leipzig, Germany, 2006
I.6.0 - What concrete tools are ...	Photo: Monica Bocci, Rotterdam, Netherlands, 2007
I.6.2 -The green side of the moon: EU tools and vision	Photo: European Community logo
I.6.3. -The European Landscape Convention..	Logo source: <a href="http://www.coe.int/EuropeanLandscapeConvention">http://www.coe.int/EuropeanLandscapeConvention</a>
I.6.4 - Common Agricultural Policy (CAP) ...	Free picture from <a href="http://www.sxc.hu">www.sxc.hu</a>
I.6.5 -Natura 2000 and the Habitat Directive (92/43): ...	<a href="http://ec.europa.eu/environment/nature/nature_conservation/">http://ec.europa.eu/environment/nature/nature_conservation/</a>
I.6.6 – European land management Guide Lines....	Photo: Monica Bocci, Ancona, Italy -Modified by Studio Tangherlini, Ancona, Italy, 2007

## UNIT 2 - slides

- 2 - Why are green spaces so important ...
- 3 – Who runs urban areas
- 4 - A regional green infrastructural
- 5- A green net for connectivity improvement
- 6 – A treasure to improve...
- 7 – A resistant tool for biodiversity
- 8 – The best way to avoid monotonous landscape
- 9 - Urban and neighbourhood scale green area function
- 10 – Don't be exotic
- 11 - Maintain your balance
- 12 – Got a diverse environment
- 13 - Pizza connection (or re-connection)
  
- 14 – Benefits to our environment
- 15 – Carbon cycle and greenhouses effects
- 16 – Water cycle and soil
- 17 – Benefits to Urban ecology
- 18 – Air quality, temperature, humidity and pollution
- 19 – Economical function
- 20 – Provisioning of Goods and Services
- 22 – Economical benefits
- 23 – Social functions
- 24 – Cultural services
- 25 – Human health services
- 26 – Social benefits
- 27 – Socialization and security improvement
- 28 – A long term vision...

## Picture Credits

- No picture
- No picture
- Photo: Richter, Dresden, 2007
- Photo: Bendner, Dresden, Germany, 2007
- No picture
- Photo: IOER, Bydgoszcz, Poland, 2006
- Photo: Andrea Galli, Como, Italy dscf0065
- Photo: IOER, Sofia, Bulgaria, 2006
- Studio Tangherlini, Ancona, Italy, 2008
- Photo: IOER, Volos, Greece, 2006
- No picture
- Johan Colding *Ecological land-use complementation' for building resilience in urban ecosystems*, Landscape and Urban Planning, n. 81, 2007
- No picture
- <http://earthobservatory.nasa.gov/Library/CarbonCycle/>
- <http://ga.water.usgs.gov/edu/watercycle.html>
- Studio Tangherlini, Ancona, Italy, 2007
- Photo: Gabriele Milelli, Amsterdam Netherlands, 2007
- Photo: IOER, Sofia, Bulgaria, 2006
- Birmingham City Council, Birmingham, England
- No picture
- Ernesto Marcheggiani, 2007
- Photo: J. Mathey, Zurich, Swizerland, 2002
- No picture
- Photo: Monica Bocci, Amsterdam, Netherlands, 2007
- Studio Tangherlini, Ancona, Italy, 2007
- No picture

**UNIT 3 - slides**

- 3.0 Green spaces as a challenge of sustainable urban planning
- 3.1 Urban green challenges
- 3.2 Different types of green spaces meet different goals
- 3.3 - Regional park
- 3.4 - Green belt
- 3.5 -Greenways network
- 3.6 - Peri-urban agriculture
- 3.7 - Urban forest
- 3.8 -Rests of Agricultural Land
- 3.9 - City farms
- 3.10 - Nature-near Woodlands
- 3.11 - Succession areas
- 3.12 - Parks
- 3.13 - Gardens and Historical Gardens
- 3.14 - Urban corridors and greenways
  
- 3.15 - Boulevards, parkways, avenues
- 3.16 - Botanical gardens
- 3.17 - Cemeteries and churchyards
- 3.18 - Allotment gardens and community gardens
- 3.19 - Squares, plazas
- 3.20 - Outdoor Sports and Play Facilities
- 3.21 - Housing green spaces
- 3.22 - Green integrated in buildings
- 3.23 - Meadows or Lawns
- 3.24 - Private gardens, residential gardens, domestic gardens
- 3.25 - Why green spaces in our cities?

**Picture Credits**

- No picture
- Photo: Sofia City Council, 2007
- Photo: Andrea Galli, Lago di Como, Italy, 2002
- Photo: Monica Bocci, Conero Regional park, Ancona, 2006
- Municipality of Leipzig, Leipzig,, Germany- Photo: IOER
- Photo: IOER, Smaniotto Costa, Dublin, Ireland, 2002
- Source: <http://www.versailles.ecole-paysage.fr/>
- Photo: J. Mathey , Sofia, Bulgaria, 2002
- Source: [www.raggiwerdi.it/](http://www.raggiwerdi.it/)
- Großenhain, Germany- Photo: C. Smaniotto Costa, IOER
- Photo: J.Mathey, Riesa, Germany,2004
- Photo: B.Kochan, Dessau, Germany, 2007
- Photo: IOER, 2002
- Photo: Andrea Galli, Menaggio, Italy, 2002
- City of Vancouver, Dept. of Community Planning (1995). The Vancouver Greenways Plan. Vancouver, B.C.
- Photo: E.Sortiri, Tirana, Albania, 2003
- Photo: Monica Bocci, Amsterdam, Netherlands, 2007
- Photo: Richter, Dresden, Germany, 2007
- Photo: J. Matehy, Leipzig, Germany, 2003
- Photo: C.Smaniotto Costa, Dublin, Ireland, 2002
- Photo: J. Mathey, Leipzig, Germany, 2002
- Photo: Andrea Galli, Val Sanagra, Italy, 2002
- Photo: Gabriele Milelli, Amsterdam, Netherlands, 2007
- Photo: J. Mathey, Montpellier, France, 2002
- City of Zurich, Switzerland, 2008
- City of Sofia, Sofia, Bulgaria, 2007

## UNIT 4 - slides

- 4.1 - Different criterions, different contexts....
- 4.1.1 - Urban planning and design as process of shaping cities
- 4.1.2 – Make a special place
- 4.1.3 - Urban design appeal
- 4.1.4 - Why the places we are designing ...
- 4.2 - The way to contribute to a sustainable development
- 4.2.1 - A contribution to sustainable development
- 4.2.2 - GreenKeys project
- 4.2.3 - Public participation
- 4.2.4 - How do we may contribute to green strategy?
- 4.3 - “One of the fundamental causes ...”
- 4.3.1. - The balance between human access and wildlife shelter
- 4.3.2 - Growing importance of green spaces
- 4.3.3 - Relationship among natural and cultural landscape
- 4.3.4 - Human-wildlife conflicts
- 4.3.5 - Evaluation of the structural, functional ...
- 4.3.6 - Greenkeys Pilot Projects
- 4.3.7 - How many elements will contribute ...
- 4.4 - Vegetation in urban planning
- 4.4.1 – Botanical species and sustainable ...
- 4.4.2 - Vegetation and urban spaces
- 4.4.3 - Does vegetation contribute to green strategy?
- 4.5 – The complexity of designing green spaces
- 4.5.1 - Design green spaces
- 4.5.2 - Potentiality of the site
- 4.5.3 - Zoning
- 4.5.4 - Costs/benefits evaluation
- 4.5.5 - Complexity of management
- 4.5.6 - Maintenance
- 4.5.7 - SWOT analysis as strategic planning tool
- 4.5.8 - Indicators in green spaces planning
- 4.5.9 - Many tools for urban green spaces strategy
- 4.6 - Many issues in planning and design green spaces
- 4.6.1 - State of the art and state of the project
- 4.6.2 - Is anybody out of green strategy development?

## Picture credits

- Municipality of Dresden, Dresden, Germany, 2007
- Source: Andrea Galli, Milan, Italy – modified by Studio Tangherlini, Ancona, Italy, 2007
- Source: Luciano Laurana, 1470 – modified by Studio Tangherlini, Ancona, Italy, 2007
- Photo: Monica Bocci, Paris, France, 2004
- Photo: Wencke Reichel, Kotel, Bulgaria, 2006
- Free picture from [www.sxc.hu](http://www.sxc.hu)
- Photo: IOER, Bydgoszcz, Poland, 2006
- Photo: IOER, Dresden Germany, 2006
- Photo: Katrin Hecht, Dresden, Germany, 2007
- Photo: Rev8, Budapest, Hungary, 2006
- Municipality of Sofia, Sofia, Bulgaria, 2007
- Photo: Richter, Dresden, Germany, 2007
- Photo: IOER, Halandri, Greece, 2007
- Photo: Richter, Dresden, Germany, 2007
- Jacopo Tangherlini, Ancona, Italy, 2007
- Municipality of Dresden, Dresden, Germany, 2007
- Photo: IOER, Dresden, Germany, 2006
- Photo: Richter, Dresden, Germany, 2007
- Photo: Rev8, Budapest, Hungary, 2006
- Source: A. Bernartsky, 1978 – modified by Studio Tangherlini, Ancona, Italy, 2007
- Photo: Monica Bocci, Amsterdam, Netherlands, 2007
- City of Sofia, Sofia, Bulgaria, 2006
- Photo: Monica Bocci, Rotterdam, Netherlands
- Photo: Andrea Galli, Villa Vigoni, Como, Italy, 2002
- Richard Forman, *Land Mosaics*, Cambridge University Press, England, 1995
- Photo: Monica Bocci, Castelbellino, Italy, 2008
- Studio Tangherlini, Ancona, Italy, 2007
- Photo: IOER, Halandri, Greece, 2007
- Studio Tangherlini, Ancona, Italy, 2007
- Studio Tangherlini, Ancona, Italy, 2007
- Studio Tangherlini, Ancona, Italy, 2007
- Studio Tangherlini, Ancona, Italy, 2007
- Photo: Rev8, Budapest, Hungary, 2006
- Studio Tangherlini, Ancona, Italy, 2007
- Photo: Monica Bocci, Milan, Italy, 2005

**UNIT 5 - slides**

3 – Get greener

9 - Nowadays it exists a possibility to take from theoretical models and best practices...

**Picture credits**

Studio Tangherlini, Ancona, Italy, 2007

Photo: Andrea Galli, Como, Italy, 2002



## GREENKEYS PROJECTS

### **Budapest (Hungary) – Mathias Square**

Structural and functional issues

Strategic role in urban planning policies

Social issues

### **Bydgoszcz (Poland) - Arboretum**

Structural and functional issues

Strategic role in urban planning policies

Social issues

### **Dresden (Germany) – Blüherpark**

Structural and functional issues

Strategic role in urban planning policies

Ecological issues

Social issues

Planning and design issues

### **Giulianova (Italy) – Parco di Via del Campetto**

Structural and functional issues

Strategic role in urban planning policies

Social issues

### **Halandri (Greece) – GreenKeys park**

Structural and functional issues

Strategic role in urban planning policies

Ecological issues

### **Kotel (Greece) – Izvorite park**

Structural and functional issues

Strategic role in urban planning policies

Social issues

### **Leipzig (Germany) – Green Bow Paunsdorf**

Structural and functional issues

Strategic role in urban planning policies

Ecological issues

### **Nova Gorica (Slovenia) – City Park**

Ecological issues

Social issues

### **Sanok (Poland) – Mount Park**

Social issues

### **Sofia (Bulgaria) – Sveta Troitza estate**

Strategic role in urban planning policies

## Picture credits

Photo: Rev8, Budapest, Hungary, 2007

Photo: Rev8, Budapest, Hungary, 2007

Photo: Rev8, Budapest, Hungary, 2007

Photo: Rev8, Budapest, Hungary, 2007

Photo: IOER, Bydgoszcz, Poland, 2007

Photo: IOER, Bydgoszcz, Poland, 2007

Photo: IOER, Bydgoszcz, Poland, 2007

Photo: IOER, Bydgoszcz, Poland, 2007

Photo: Municipality of Dresden, Germany, 2007

Photo: Municipality of Dresden, Germany, 2007

Photo: Municipality of Dresden, Germany, 2007

Photo: Municipality of Dresden, Germany, 2007

Photo: Municipality of Dresden, Germany, 2007

Photo: Municipality of Dresden, Germany, 2007

Photo: IOER, Giulianova, Italy, 2006

Photo: IOER, Giulianova, Italy, 2006

Photo: IOER, Giulianova, Italy, 2006

Photo: IOER, Giulianova, Italy, 2006

Photo: IOER, Halandri, Greece, 2007

Municipality of Halandri, Halandri, Greece, 2006

Photo: IOER, Halandri, Greece, 2007

Photo: IOER, Halandri, Greece, 2007

Photo: IOER, Kotel, Greece, 2007

Photo: IOER, Kotel, Greece, 2007

Photo: IOER, Kotel, Greece, 2007

Photo: IOER, Kotel, Greece, 2007

No picture

Municipality of Leipzig, Leipzig, Germany, 2007

Municipality of Leipzig, Leipzig, Germany, 2007

Municipality of Leipzig, Leipzig, Germany, 2007

Municipality of Nova Gorica, Nova Gorica, Slovenia, 2007

Municipality of Nova Gorica, Nova Gorica, Slovenia, 2007

Municipality of Nova Gorica, Nova Gorica, Slovenia, 2007

Photo: IOER, Sanok, Poland, 2007

Source: Municipality of Sanok (Poland) – modified by Studio Tangherlini, Ancona, Italy, 2008

Photo: IOER, Sofia, Bulgaria, 2006

Photo: IOER, Sofia, Bulgaria, 2006



Social issues

**Volos (Greece) – Neapoli Park**

Strategic role in urban planning policies

Social issues

**Xanthi (Greece) – Limnio Park**

Structural and financial issues

Strategic role in urban planning policies

Planning and design issues

Photo: IOER, Sofia, Bulgaria, 2006

Photo: IOER, Volos, Greece, 2007

Photo: IOER, Volos, Greece, 2007

Photo: IOER, Volos, Greece, 2007

Municipality of Xanthi, Xanthi, Greece, 2006

Municipality of Xanthi, Xanthi, Greece, 2006

Photo: IOER, Xanthi, Greece, 2007

Municipality of Xanthi, Xanthi, Greece, 2006



## EUROPEAN EXAMPLES

### Amsterdam (Netherlands) – Sport Plaza Mercator

Structural and functional issues  
Strategic role in urban planning policies  
Ecological issues  
Economic issues  
Social issues  
Planning and design issues

### Dresden (Germany) – Cemetery

Structural and functional issues  
Strategic role in urban planning policies  
Ecological issues  
Social issues  
Planning and design issues

### Turin (Italy) – Round Blur

Structural and functional issues  
Strategic role in urban planning policies  
Ecological issues  
Economic issues  
Social issues  
Planning and design issues

### Paris (France) – Parc de Bercy

Structural and functional issues  
Strategic role in urban planning policies  
Ecological issues  
Economic issues  
Social issues

### Milan (Italy) – Parco Sud

Planning and design issues

### Munich (Germany) – Munich Green Belt (Münchener Grüngürtel)

Structural and functional issues  
  
Ecological issues  
  
Economic issues  
  
Social issue  
  
Planning and design issues

## Picture credits

Photo: Gabriele Milelli, Amsterdam, Netherlands, 2007

Photo: Gabriele Milelli, Amsterdam, Netherlands, 2007

Photo: Gabriele Milelli, Amsterdam, Netherlands, 2007

Photo: Gabriele Milelli, Amsterdam, Netherlands, 2007

Photo: Gabriele Milelli, Amsterdam, Netherlands, 2007

Photo: Gabriele Milelli, Amsterdam, Netherlands, 2007

Photo: Gabriele Milelli, Amsterdam, Netherlands, 2007

Photo: Richter, Dresden, Germany, 2007

Photo: Richter, Dresden, Germany, 2007

Photo: Richter, Dresden, Germany, 2007

Photo: Richter, Dresden, Germany, 2007

Photo: Richter, Dresden, Germany, 2007

Photo: Richter, Dresden, Germany, 2007

[www.architecture.it](http://www.architecture.it)

[www.urbanistica.comune.roma.it](http://www.urbanistica.comune.roma.it)

[www.architettura.supereva.com](http://www.architettura.supereva.com)

<http://architettura.it/architettura/20060318/index.htm>

[www.architettura.supereva.com](http://www.architettura.supereva.com)

<http://architettura.it/architettura/20060318/index.htm>

<http://architettura.it/architettura/20060318/index.htm>

Photo: Henrique Pessoa, Paris, France, 2004

Photo: Henrique Pessoa, Paris, France, 2004

Photo: Henrique Pessoa, Paris, France, 2004

Photo: Henrique Pessoa, Paris, France, 2004

Photo: Henrique Pessoa, Paris, France, 2004

Photo: Henrique Pessoa, Paris, France, 2004

<http://www.provincia.milano.it/parcosud/>

<http://www.provincia.milano.it/parcosud/>

<http://www.muenchen.de/Rathaus/plan/wir/projekte/grueng/81772/index.html>

<http://www.muenchen.de/Rathaus/plan/wir/projekte/grueng/81772/index.html>

Munich aerial view -Source: [www.google.com](http://www.google.com) – modified by Studio Tangherlini, Ancona, Italy, 2008

Munich aerial view -Source: [www.google.com](http://www.google.com) – modified by Studio Tangherlini, Ancona, Italy, 2008

Munich aerial view - Source: [www.google.com](http://www.google.com) – modified by Studio Tangherlini, Ancona, Italy, 2008

Munich aerial view - Source: [www.google.com](http://www.google.com) – modified by Studio Tangherlini, Ancona, Italy, 2008



