



Mantova, Teatro sociale, 27 November 2018

The present status of urban forestry in the world

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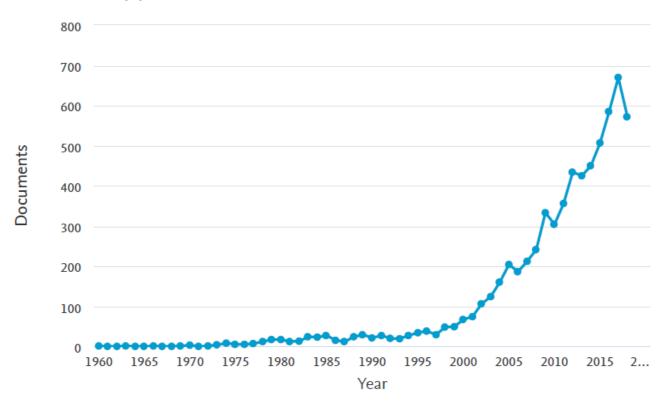




Temporal interest towards Urban Forestry in scientific literature

(Scopus accessed 19 November 2018)

Documents by year





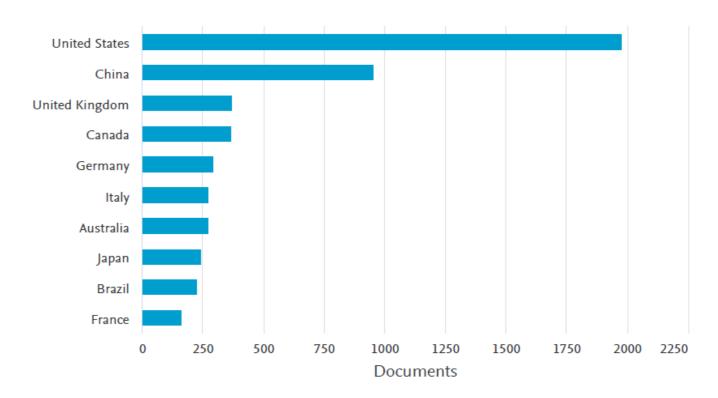




(Scopus accessed 19 November 2018)

Documents by country or territory

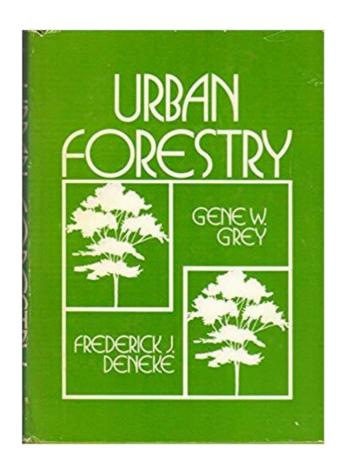
Compare the document counts for up to 15 countries/territories

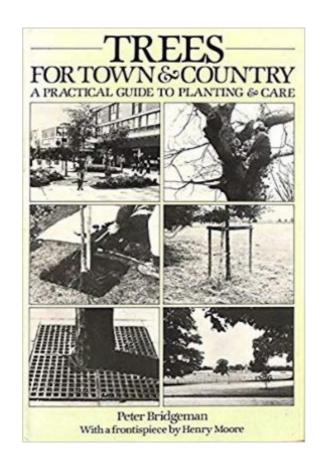


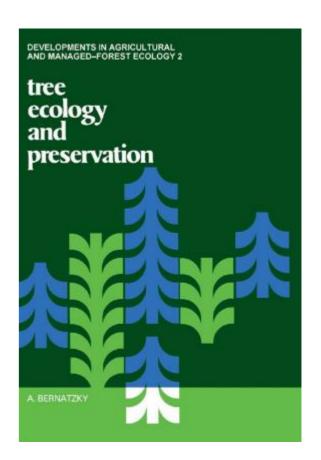


Books on Arboriculture & Urban Forestry







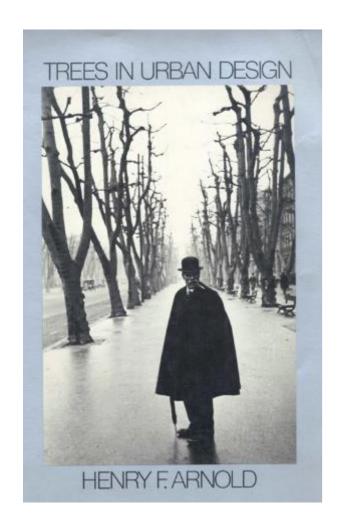


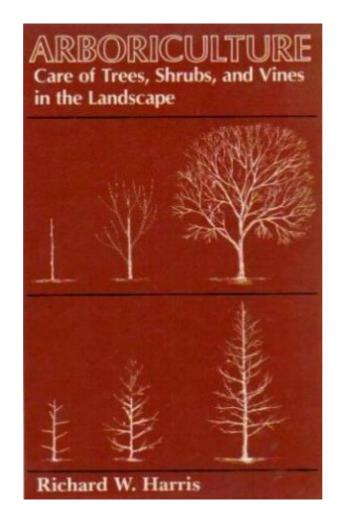
1978 1979 1982

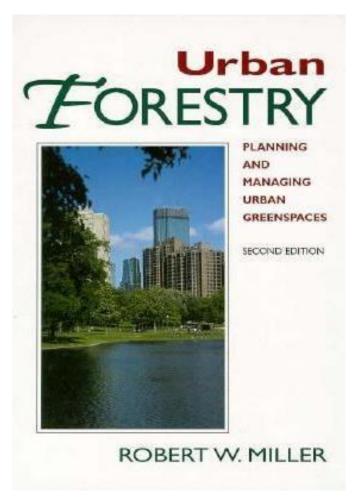


Books on Arboriculture & Urban Forestry





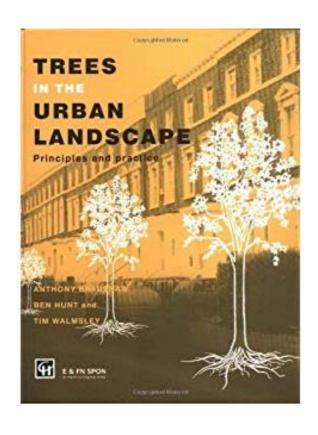


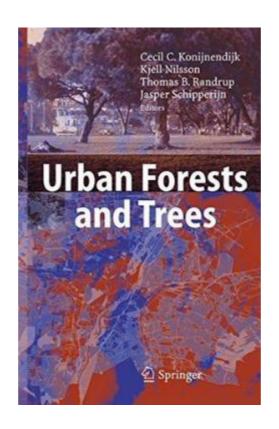


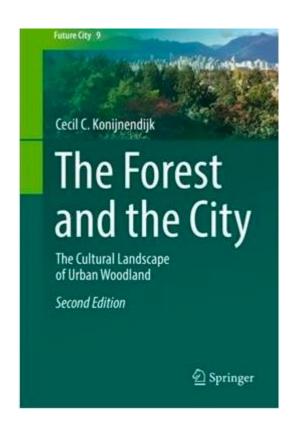


volution of the concept from (urban) tree ecology Urban Forestry







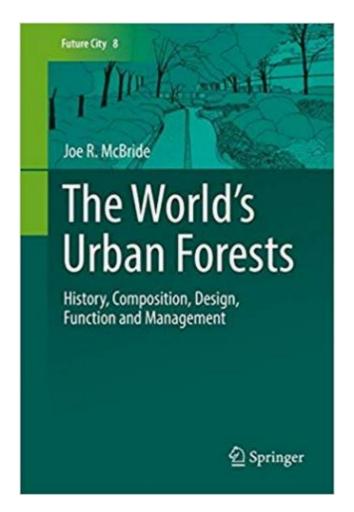


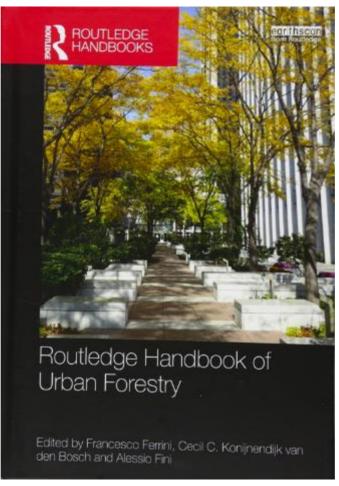
1995 2005 2008

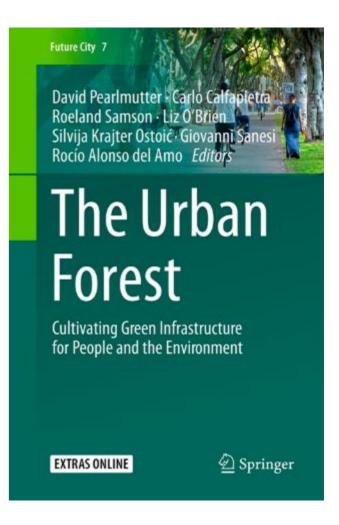


Books on Arboriculture & Urban Forestry





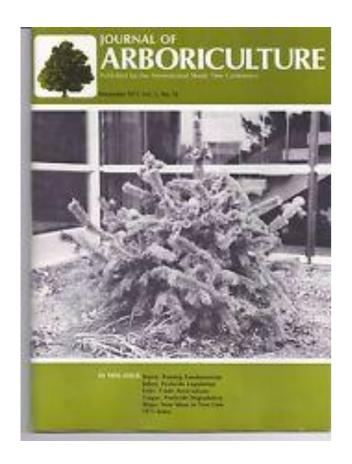


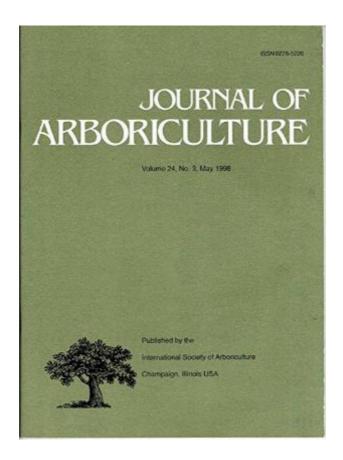


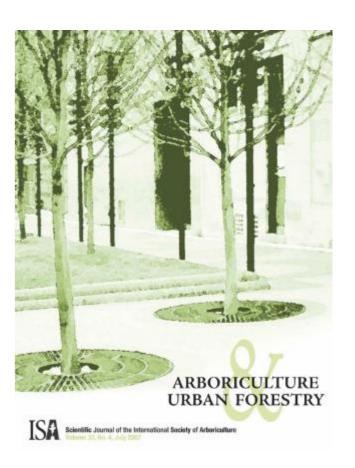


Journals on Arboriculture & Urban Forestry





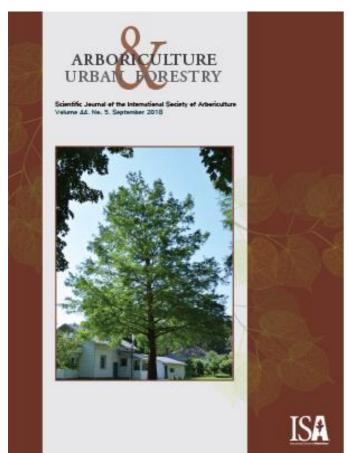




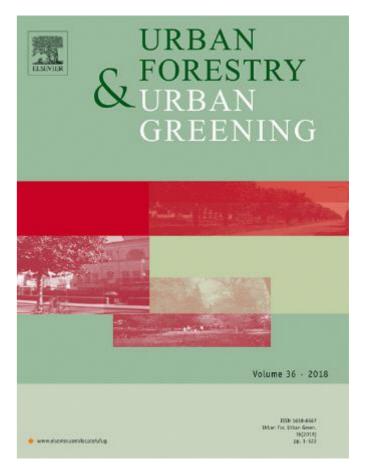
1975 80's-90's 2000's







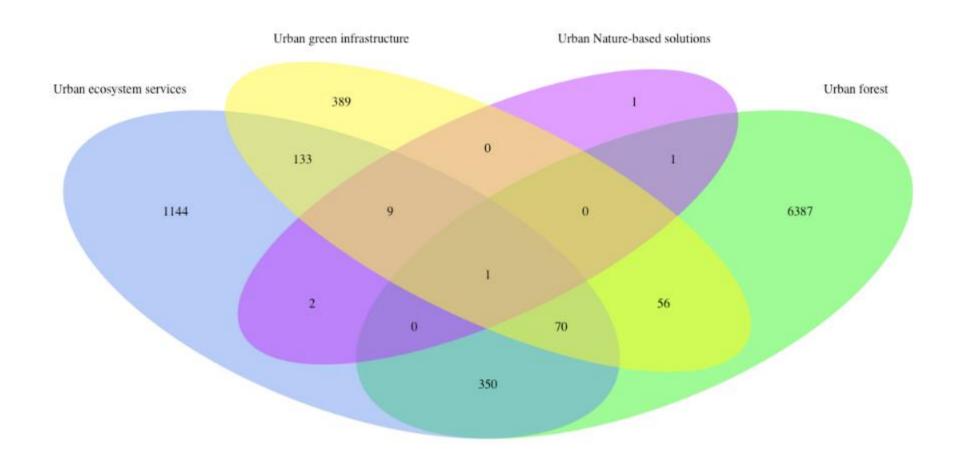








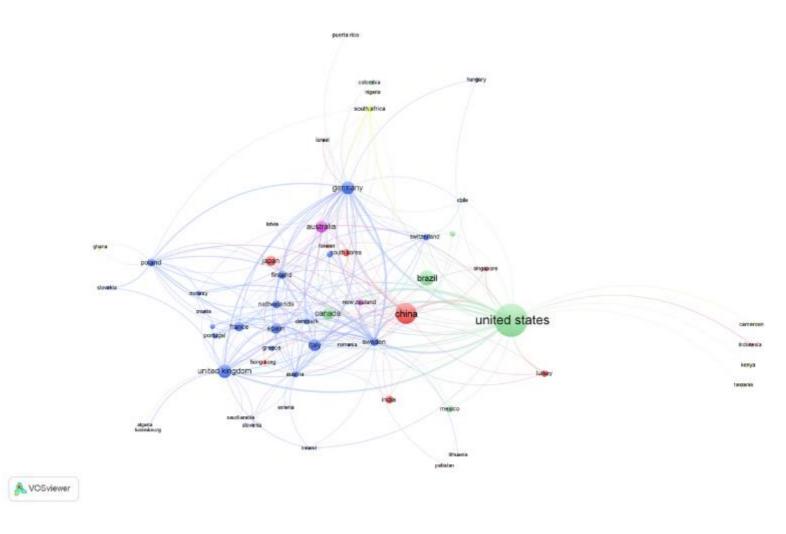
The evolution of the concept and merging with UES, UGI, UNBS







The global research network on Urban Forestry

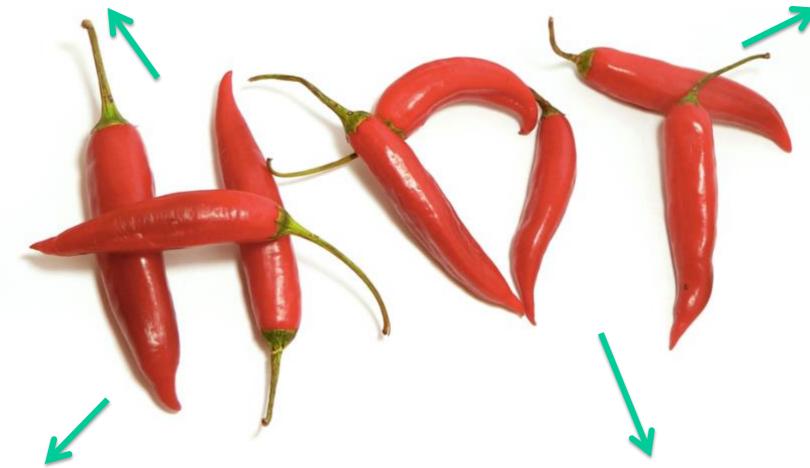




Hot topics in the Urban Forestry research



Lots of questions Lots of buzz about it



Novelty – to academics and practitioners

(do you remember the histograms about the number of research published?)

Important, relevant, meaningful



Research, Actions, Working Groups, Networks, etc..





https://www.fs.fed.us/research/urban/



Working groups













Working Group on Urban and peri-urban forestry









DISCOVER IUFRO

SCIENCE IN IUFRO

WHO IS WHO

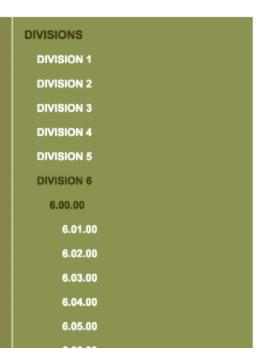
EVENTS

PUBLICATIONS

MEMBERSHIP

MEDIA

INTERCONNECTING FORESTS, SCIENCE AND PEOPLE



R Home | Division 6 | 6.00.00 | 6.07.00 - Urban forestry

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6.07.00 - URBAN FORESTRY

Coordinator:

David Nowak, United States

Deputies:

Marcus Hedblom, Sweden Cecil C. Konijnendijk van den

Bosch, Canada

Sreetheran Maruthaveeran,

Malaysia

Unit 6.07.00

- > Activities and events
- > Publications and references
- > Expertise offered by Unit
- > Toolbox
- > Unit Noticeboard

UNIT NOTICEBOARD

2018-01-09

URBAN FORESTRY CONGRESS (IUFC) IN AUTUMN 2018







GdL Verde Urbano

Gruppo di Lavoro SISEF **Verde Urbano** Attivo dal 2017

Coordinatore: **Fabio Salbitano**DISTAF Università di Firenze
via S. Bonaventura 13, Firenze (Italy)
E-mail: **fabio.salbitano@unifi.it**

- Presentazione GdL
- ☑ Contenuti
- ☑ Lista Componenti
- Adesione al GdL
- ☑ Torna a GdL SISEF





ISA

Chapters & Associate Organizations

The ISA Ten Minute Update

Green
Industry
&
Government
Agencies























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Iscriversi alla SIA è facile e semplice: compila il modulo di iscrizione, versa la



quota associativa ed invia il modulo e la ricevuta del pagamento via fax, email o per posta ordinaria alla Segreteria.

Clicca qui sotto "Iscriviti" per iniziare!

Iscriviti alla SIA

EUROPEAN FORUM ON URBAN FORESTRY (EFUF)

Website of the European Forum on Urban Forestry Association



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efuf2019

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efuf mailing list

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URBAN FORESTRY EVENTS

EUROPEAN YOUNG URBAN FORESTER OF THE YEAR AWARD

FAO TREES FOR THE CITIES D-GROUP

URBAN FORESTRY LINKEDIN GROUP

URBAN FORESTRY RELATED WEBINARS

SOCIAL



ABOUT THE EUROPEAN FORUM ON URBAN FORESTRY

The European Forum on Urban Forestry (EFUF) is a unique meeting place for practitioners, policy-makers, managers, educators and scientists who are active in urban forestry, urban greening and green infrastructure. Since 1998, the EFUF has met annually to discuss new developments, to exchange experiences, and to visit examples of good practices on planning, design and management of urban forests (from woodland to urban parks and street trees).

The Forum is associated with the International Union of Forest Research

Organisations' (IUFRO Division 6.07.00 – Urban forestry) urban forestry group,
as well as with several European and Nordic networks for urban forestry.

Search ...

EFUFZ019

EFUF2019 - call for papers February 1st, 2019

70

days to go.

EUROPEAN FORUM ON URBAN FORESTRY (EFUF)

Website of the European Forum on Urban Forestry Association



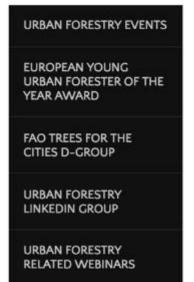
home / about the european forum on urban forestry

efuf2019

#efuf2016 blog

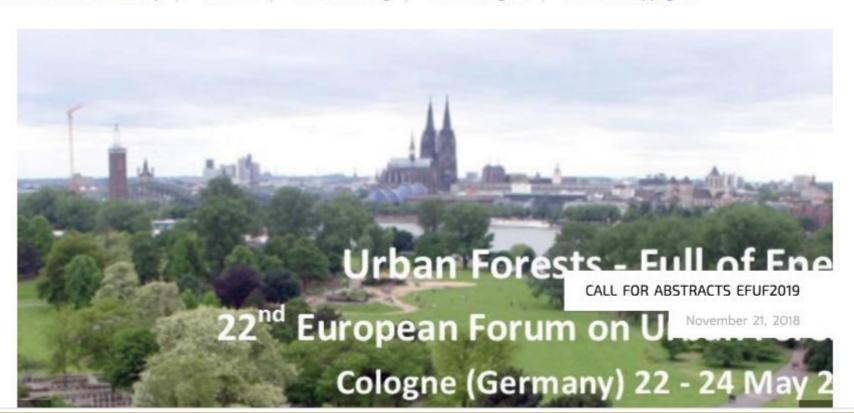
efuf mailing list

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SOCIAL















COST ACTIONS ON URBAN FORESTRY







Courtesy of Carlo Calfapietra



Green Infrastructure approach: linking environmental with social aspects in studying and managing urban forests - (GreenInUrbs) 2013-2017

Chair: Carlo Calfapietra, IBAF-CNR



















GREEN SURGE

■ Green Surge

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- Urban Learning Labs
- Working Packages
- Meeting and events
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- 1 Links



Green Infrastructure and Urban Biodiversity for Sustainable Urban Development and the Green Economy

The GREEN SURGE project is a collaborative project between 24 partners in 11 countries. It is funded by the European Commission Seventh Framework Programme (FP7).

GREEN SURGE will identify, develop and test ways of linking green spaces, biodiversity, people and the green economy in order to meet the major urban challenges related to land use conflicts, climate change adaptation, demographic changes, and human health and wellbeing. It will provide a sound evidence base for urban green infrastructure planning and implementation, exploring the potential for innovation in better linking environmental, social and economic ecosystem services with local communities.



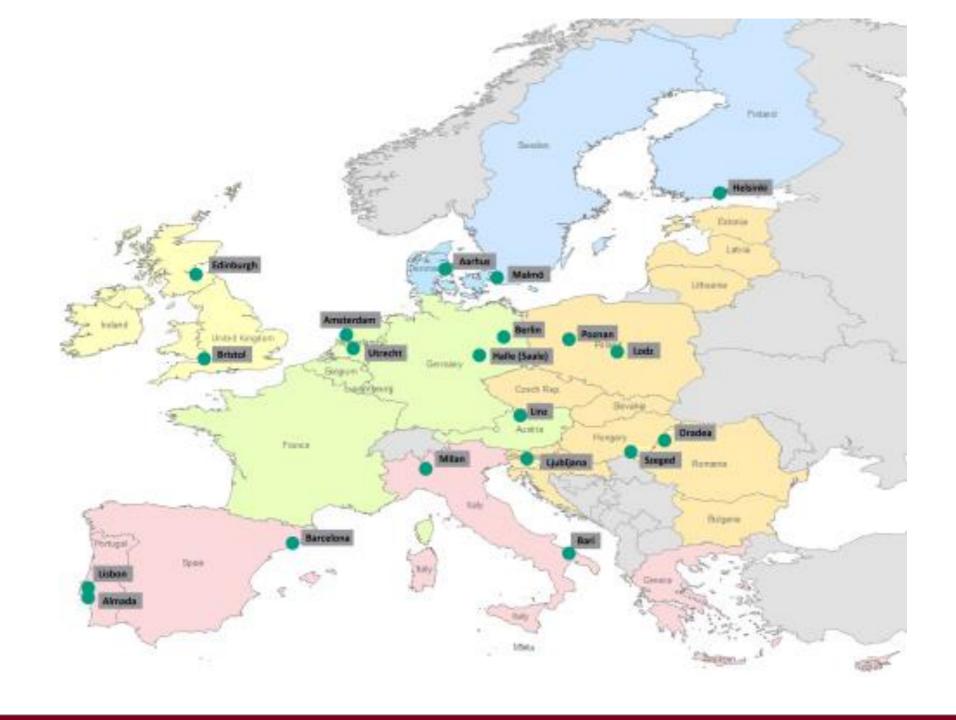




Join European Learning Alliance

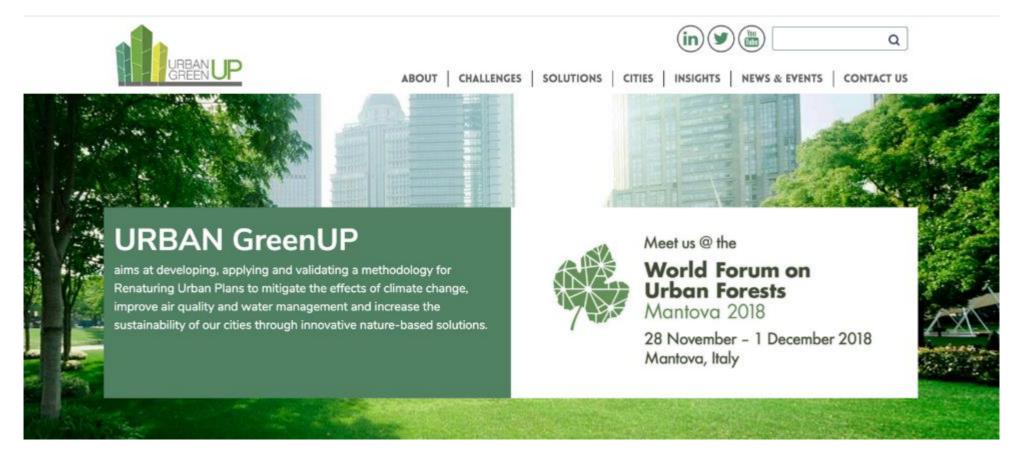
What is the Colour in Urban Infrastructure? Join the European Learning Alliance to find out! Read more

GREEN SURGE invites you to join its



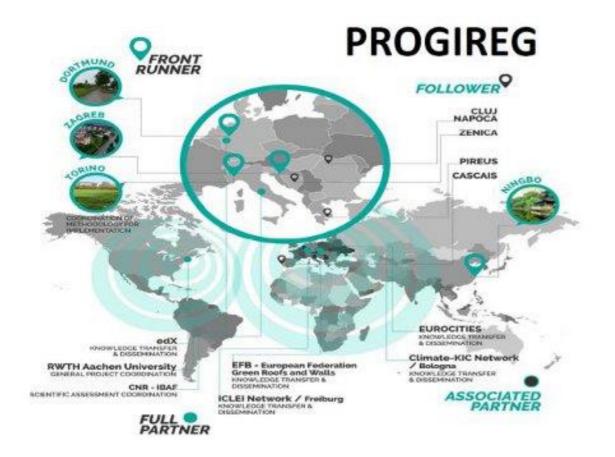






URBAN GreenUP is a project funded under the European Union's Horizon 2020 programme. Its objective is the development, application and replication of Renaturing Urban Plans in a number of European and non-European partner cities with the aim to mitigate the effects of climate change, improve air quality and water management, as well as to increase the sustainability of our cities through innovative nature-based solutions.

Three runner cities - of Valladolid (Spain), Liverpool (UK) and Izmir (Turkey) – will validate and demonstrate the effectiveness of the URBAN GreenUP methodology. Based on their experience, five follower cities, Mantova (Italy), Ludwigsburg (Germany) Medellin (Colombia), Chengdu (China) and Binh Dinh-Quy Nhon (Vietnam), will set up their own Renaturing Urban Plans to replicate the URBAN GreenUP strategy and its green economy approach.





proGlreg: productive Green Infrastructure for post-industrial urban regeneration (2018-2023)



• The 8 nature-based solutions of proGlreg proGlreg

No. 1	Renaturing landfill sites for leisure use and energy production
No. 2	New regenerated soil thanks to biotic compounds for urban forestry and urban farming
No. 3	Community-based urban farming and gardening on post-industrial sites
No. 4	Aquaponics as soil-less agriculture for polluted sites
No. 5	Capillary GI on walls and roofs
No. 6	Making post-industrial sites and renatured river corridors accessible for local residents
No. 7	Establishing protocols and procedures for environmental compensation at local level
No. 8	Pollinator biodiversity improvement activities and citizen science project



Life Project in Urban Forestry





ENVIRONMENT

LIFE Programme

European Commission > Environment > LIFE Programme

HOME ABOUT LIFE NEWS FUNDING PUBLICATIONS TOOLKIT CONTACT SITE MAP



LIFE by theme

- **Nature, Biodiversity**
- **Environment**
- **Climate Action**

LIFE search

- By country
- Project database
- **Best projects**
- Project publications
- Natura 2000 sites



















Home | Funding | LIFE 2014-2020: 2015 Call for proposals for LIFE Grants 2015 Call for proposals for LIFE Grants

The LIFE (the Financial Instrument for the Environment and Climate Action) Regulation, which was published on 20 December 2013, sets a budget for the funding period 2014-2020 of C3.4 billion in current prices. View the LIFE Regulation

2015 Call for proposals for LIFE Action Grants

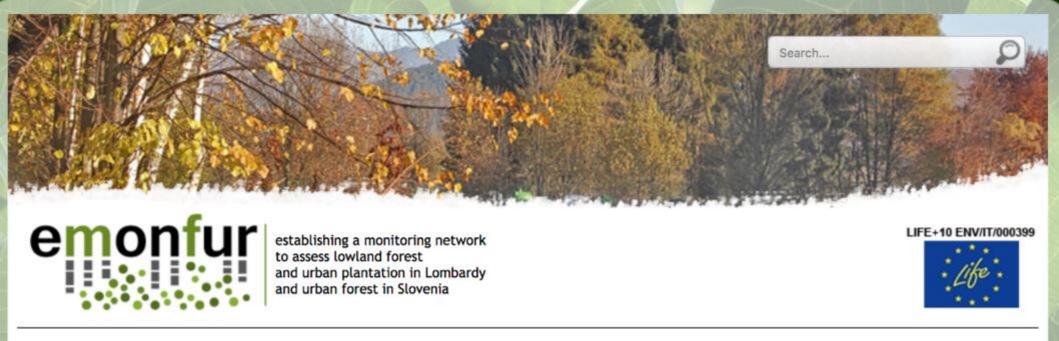
The Commission invites legal persons (entitles) registered in the European Union (EU) to present proposals for the 2015 Call for proposals for LIFE Action Grants. The call covers proposals for both LIFE subprogrammes.

For the sub-programme for Environment, this call will cover action grants for "Traditional" projects, Preparatory projects, Integrated projects, Technical Assistance projects and Capacity Building projects.

- → LIFE 2015 Call
- FAQ
- Background
- LIFE 2014 Call
- → NGOs
- LIFE financial instruments

Quick Links 2015 call provisional calendar

"Traditional" projects Preparatory projects Integrated projects



Goal: establish a monitoring network of UPFs for their preservation and assessment of long-term evolution

Research topics:

- Monitoring protocols and procedures;
- Evaluation of ecosystem services;
- Relationship (biodiversity, flora, fauna, climate, pathologies, soil, etc.).





LIFE URBANGREEN project

LIFE URBANGREEN aims at integrating an existing urban green management platform with innovative components to maximise the provision of ecosystem services by urban greeneries and to improve the efficiency of maintenance activities.

The main expected result is a smart and integrated management system which monitors and governs all activities related to urban green areas management, maximising ecological benefits.

The tools developed in the project will be tested in Rimini, Krakow and without EU co-funding in Taipei and Moscow.













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What is Interreg Europe?

Facts and figures

What is Interreg Europe?

Interreg Europe helps regional and local governments across Europe to develop and deliver better policy. By creating an environment and opportunities for sharing solutions, we aim to ensure that government investment, innovation and implementation efforts all lead to integrated and sustainable impact for people and place.

Interreg Europe key documents

Lear more about the programme.

Read more

INTERREG CENTRAL EUROPE









PRIORITY: NATURAL AND CULTURAL RESOURCES



UGB – Urban Green Belts

ABOUT THE PROJECT PROJECT IN NUMBERS NEWS WHAT WE DO **APPROACHES PUBLICATIONS**





URBFORDAN

Management and Utilization of Urban Forests as Natural Heritage in Danube Cities

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Todays' lifestyle in cities is fast and very intense.

Therefore, many citizens and visitors actively search for places to relax. Often, there is no time for "the escape from the city", so they look for alternatives.

Traditionally, they find them in urban and periurban forests (UPF). Their status of "green city lunges" is the main reason why forests in the project partner cities have so-far survived all urbanization pressures mostly intact (over 35 square kilometres of forests in seven project partner cities).

However, the increasing numbers of citizens (almost 6,5 Million in project partner cities) and visitors (over 15 Million per year in project partner cities) and their need for outdoor activities) put urban forests under pressure. Even if many of the forests are protected as natural/cultural heritage, they are impaired by inappropriate management, overuse and poor coordination between key actors.



Start date 01-06-2018

End date 30-11-2020

Budget in Euro Overall: 2788566,61

ERDF Contribution: 1906965,66 IPA Contribution: 281691,62 ENI Contribution: 181624.3

Call number



National projects













SUSTAINABLE GALS









































SUSTAINABLE GALS













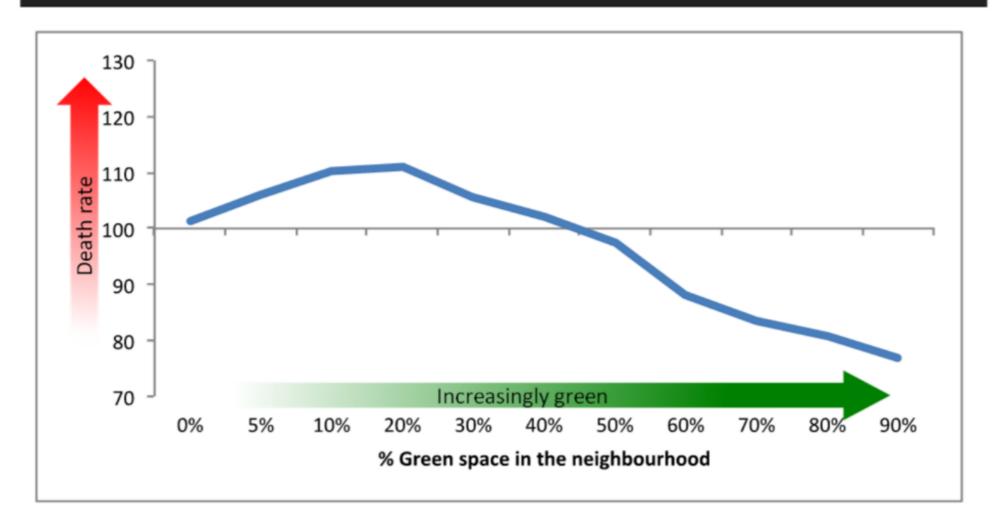




GOOD HEALTH AND WELL-BEING



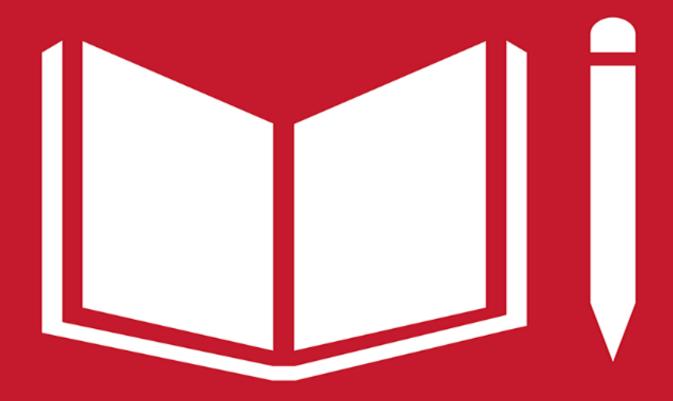
What can nature 'do' for us? The association between access to natural environments and population health.



Da Whyte e Crawford,2014. http://www.gcph.co.uk/assets/0000/4177/Nature_and_nurture_people_and_places_event_report.pdf



4 QUALITY EDUCATION





G CLEAN WATER AND SANITATION







Phytoremediation

PHYTO VOLATILIZATION:

Some plants take up volatile contaminants and release them into the atmosphere through transpiration. The contaminant is transformed or degraded within the plant to create a less toxic substance before and then released into the air.



PHYTO DEGRADATION:

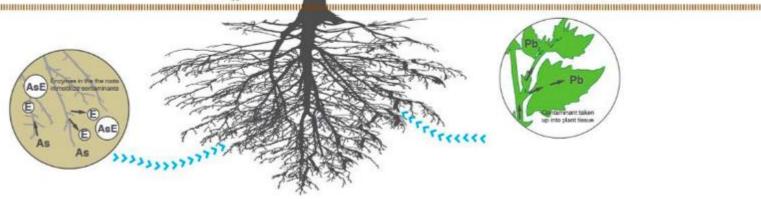
Plants take up and break down contaminants through the release of enzymes and metabolic processes such as photosynthetic oxidation/reduction. In this process organic pollutants are degraded and incorporated into the plant or broken down in the soil.

PHYTO EXTRACTION:

Plants take up contaminants mostly metals, metaloids and radionucleids- with their roots and accumulate them in large quantities within their stems and leaves. These plants have to be harvested and disposed as special waste.

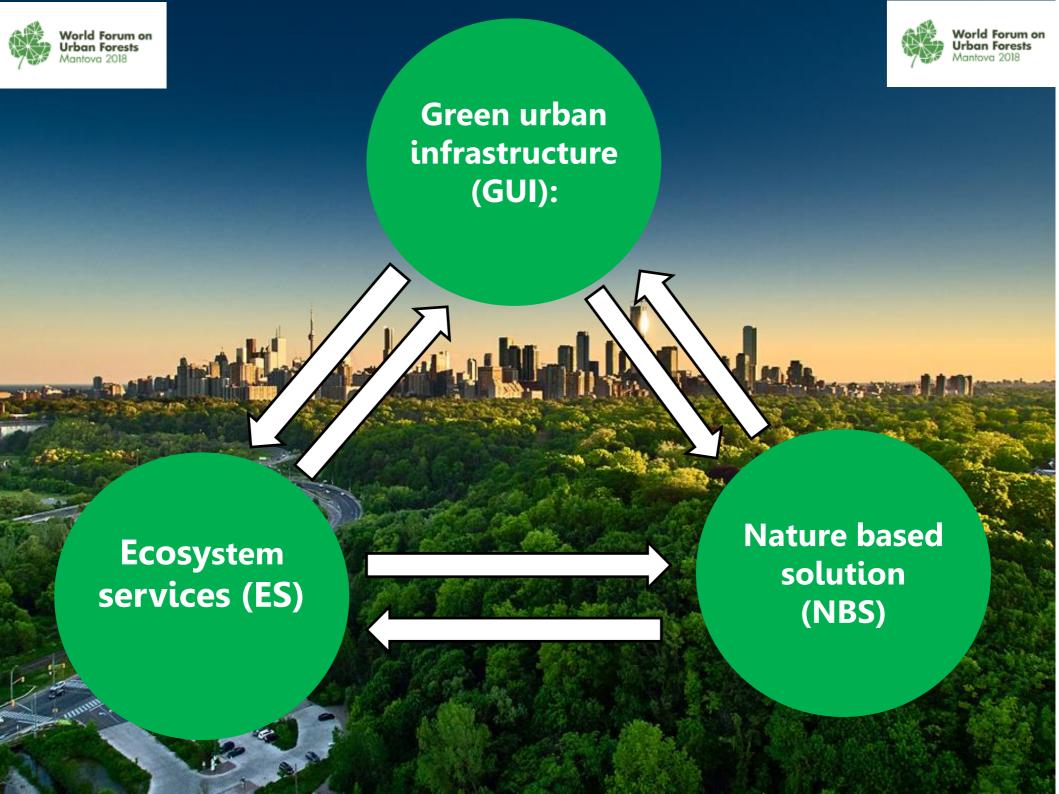
PHYTO STABILIZATION:

Some plants can sequester or immobilize contaminants by absorbing them into their roots and releasing a chemical that converts the contaminant to a less toxic state. This mechanism limits the migration of contaminants through water erosion, leaching, wind, and soil dispersion.



O INDUSTRY, INNOVATION AND INFRASTRUCTURE





10 REDUCED INEQUALITIES









HHS Public Access

Author manuscript

J Environ Manage. Author manuscript; available in PMC 2018 April 06.

Published in final edited form as:

J Environ Manage. 2018 March 01; 209: 152-168. doi:10.1016/j.jenvman.2017.12.021.

The relationship between urban forests and race: A metaanalysis

Shannon Lea Watkinsa,* and Ed Gerrishb

^aUniversity of California, San Francisco, USA

Urban Forestry & Urban Greening 16 (2016) 188-196



Contents lists available at ScienceDirect

Urban Forestry & Urban Greening

journal homepage: www.elsevier.com/locate/ufug



Urban forests and social inequality in the Pacific Northwest

John R. Mills a,*, Patrick Cunninghamb, Geoffrey H. Donovana



b USDA Forest Service, Pacific Northwest Research Station, 3200 SW Jefferson Way, Corvallis, OR 97331, USA





The risk of Gentrification: a process of renovation of deteriorated urban neighborhoods by means of the influx of more affluent residents.



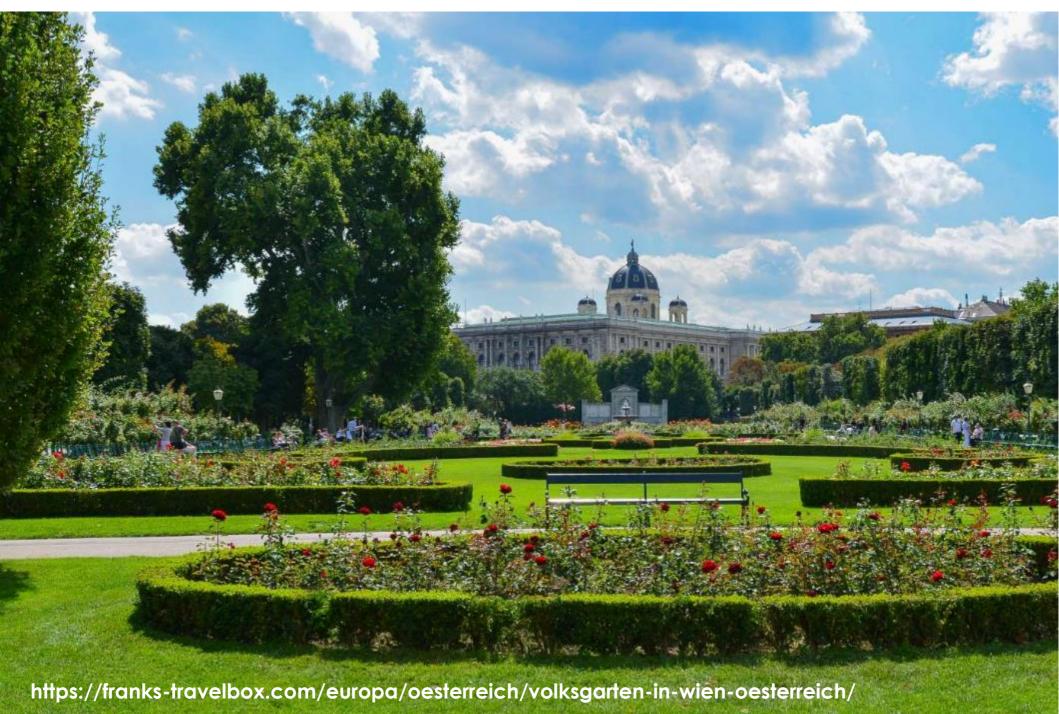
Liz Diller says the High Line can teach architects "a really good lesson" on the need to manage gentrification. New York wasn't prepared for the pace of gentrification caused by the High Line

(https://www.dezeen.com/2017/07/27/elizabeth-diller-interview-riba-architects-learn-lessons-high-line-manage-gentrification/).

11 SUSTAINABLE CITIES AND COMMUNITIES



Volksgarten – Vienna (the more liveable city in the world according to the Economist Intelligence Unit - EIU)

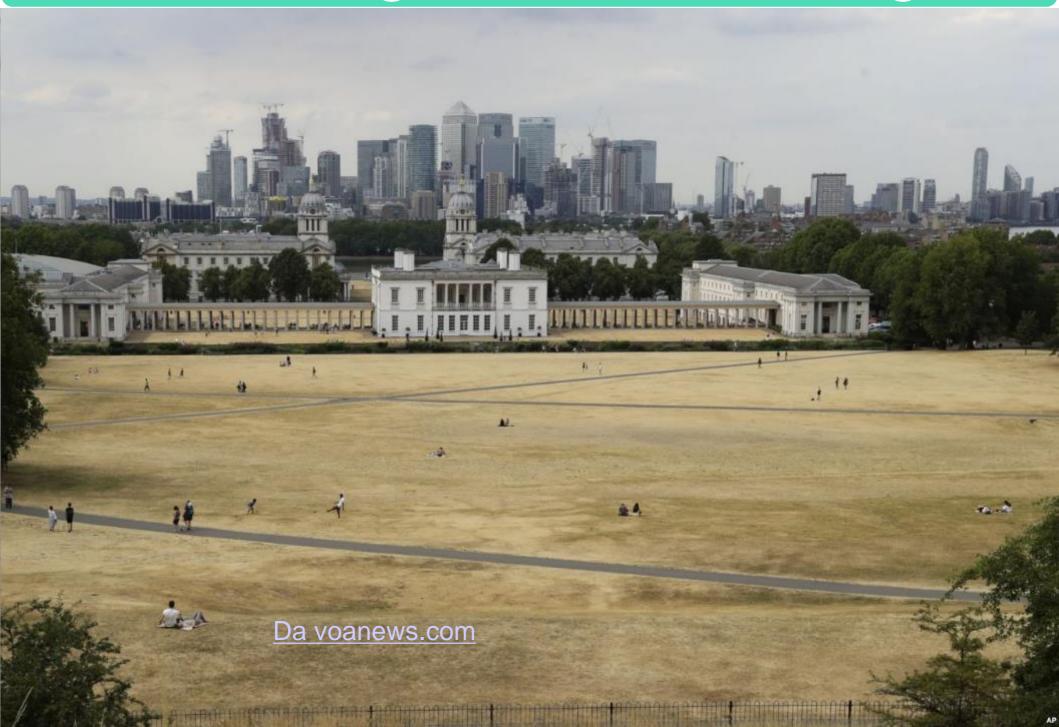




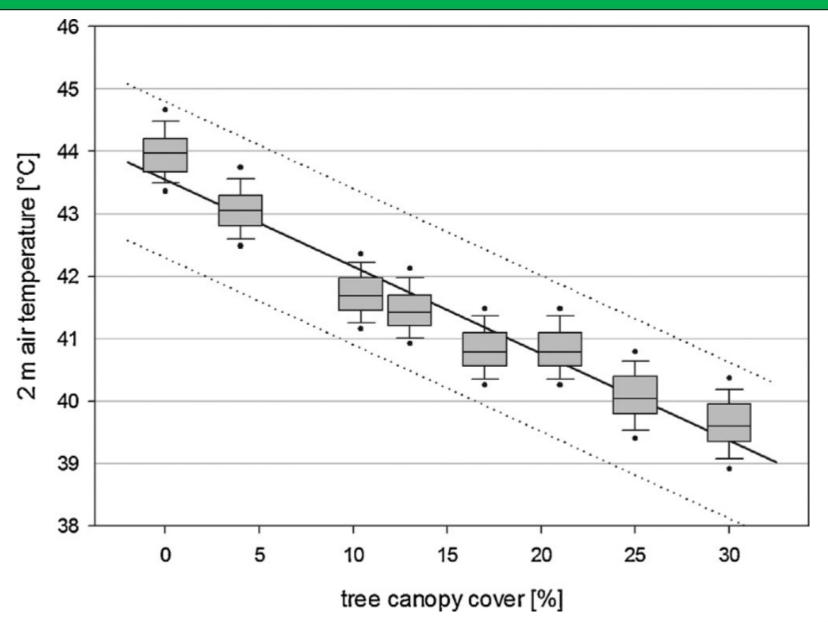
13 CLIMATE ACTION



The challenges of climate changes

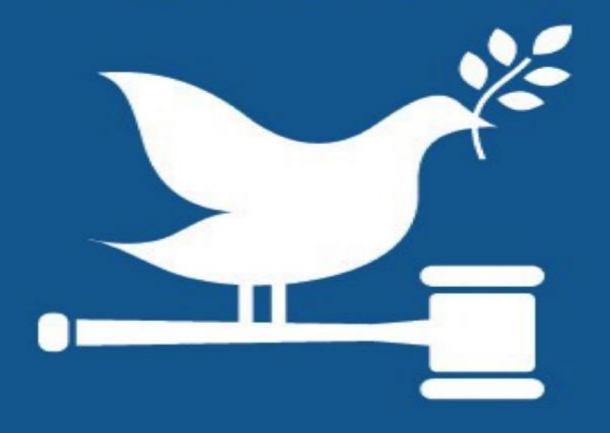


We need a higher canopy cover in our cities...SOON!!!!!!



57 Da Middel et al., 2015 Urban Forestry and Urban Greening

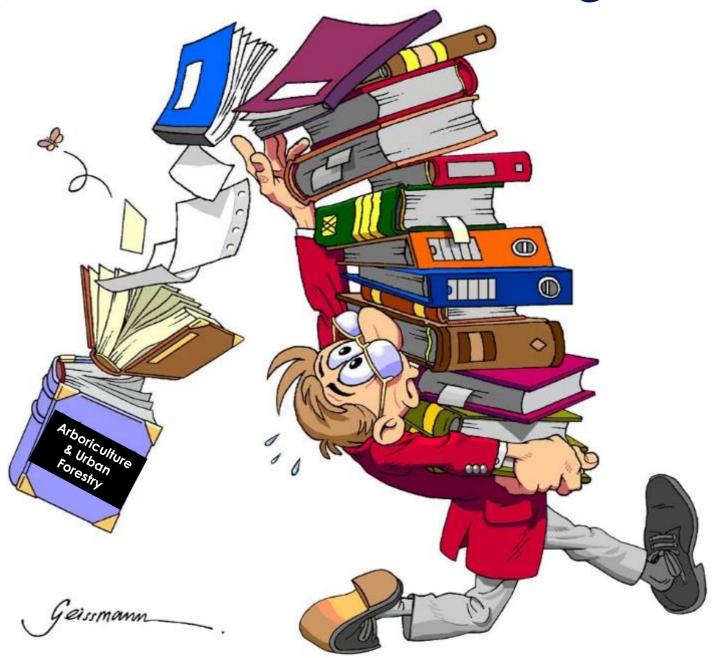
16 PEACE, JUSTICE AND STRONG INSTITUTIONS

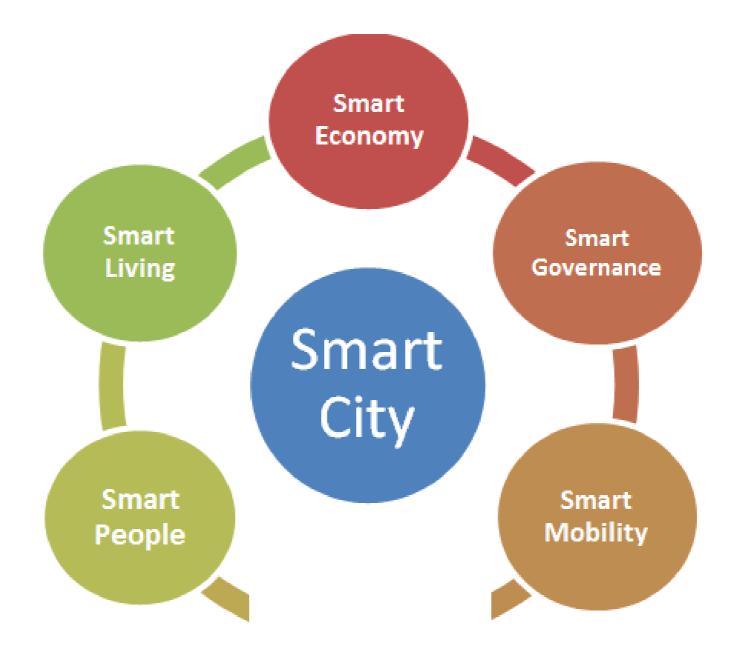




picture from: http://ecomerge.blogspot.com/2015/08/making-our-communities-safer-by.html

Take home message





"The world is a dangerous place to live; not because of the people who are evil, but because of the people who don't do anything about it.." (A. Einstein)



MAKING THE WORLD A BETTER PLACE ...ONE TREE AT A TIME

