

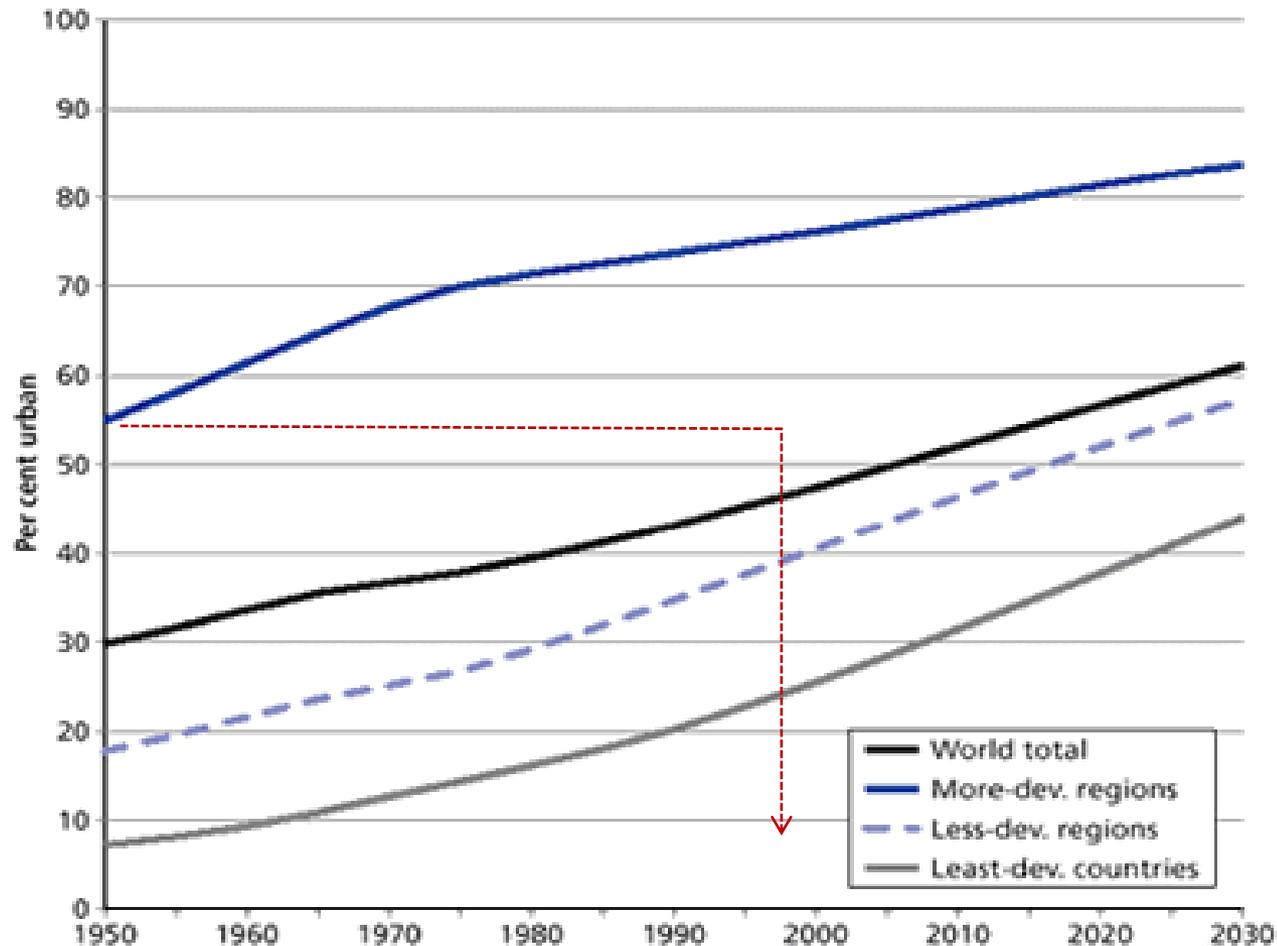
Ecologia e gestão das populações animais

Sumário :

- Ecologia e gestão de populações em meio urbano

Urbanização

Estima-se que em 2050 mais de 70% da população mundial viva em cidades, na Europa este valor já é cerca de 80%



As cidades possuem diversas áreas verdes



Têm funções ambientais, ecológicas e sociais

Os espaços verdes urbanos; regulam o clima na cidade; filtram o ar, removem a poluição, atenuam o ruído.



Permitem manutenção da **biodiversidade**; servem de **corredores ecológicos** na interface com o meio rural e florestal; podem funcionar como centros de proteção para a reprodução e conservação de espécies



Urban and Peri-urban Forestry

send by email

Definition

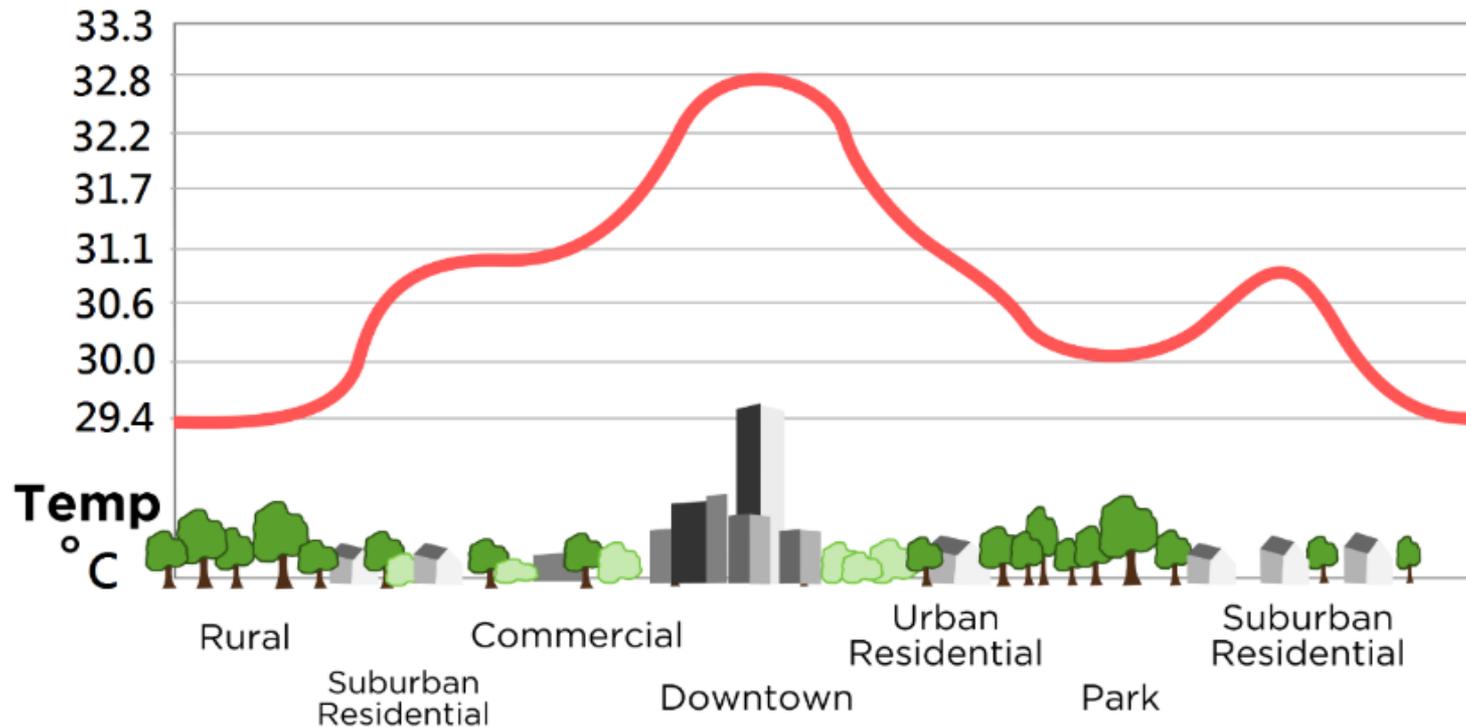
Urban forests can be defined as networks or systems comprising all woodlands, groups of trees, and individual trees located in urban and peri-urban areas; they include, therefore, forests, street trees, trees in parks and gardens, and trees in derelict corners. Urban forests are the backbone of the green infrastructure, bridging rural and urban areas and ameliorating a city's environmental footprint.

Urban and peri-urban forestry (UPF) can be defined as an integrated, interdisciplinary, participatory and strategic approach to planning and managing tree resources in urban and peri-urban areas for their economic, environmental and sociocultural benefits. In practical terms, UPF may consist in planting trees where they never existed before, in enhancing existing natural vegetation or in harmonizing urban sprawl into green spaces. Urban and peri-urban tree resources, comprising dispersed single trees, small groups of trees and forests, contribute to the green infrastructure, i.e. natural or engineered ecological systems that conserve ecosystem values and functions.

The scope of the UPF approach allows bringing together the single-tree management with an ecosystem-scale management of urban green infrastructure that includes such considerations as municipal watersheds, **wildlife habitats**, outdoor recreation opportunities, landscape design, recycling of municipal wastes and harvesting of tree products

As cidades possuem **microclima próprio** que pode ser favorável ou desfavorável a algumas espécies animais

URBAN HEAT ISLAND PROFILE



Várias espécies animais beneficiam dos recursos alimentares, e habitat disponíveis nas cidades



As populações animais nas cidades podem ser um problema urbano



Ou

As cidades podem ser um problema para a conservação animal

Rodenticide affects Northern Spotted Owls too it's no longer just a city problem



Aa cidades podem permitir a conservação de algumas espécies (aves, polinizadores, micromamíferos)



A new species of bird has been discovered in the Cambodian capital, Phnom Penh, a bustling city of 1.5 million people.

It was found both in the city ..., by a team of scientists with the Wildlife Conservation Society,



Insects in the City: Can cities save our bees?

Trabalho de pesquisa

Databases: Scopus, Web of Science, Scholar, ScienceDirect

Define **key words**: “Urban” or “city”

And:

Animal, population, conservation or decay, corridor, connectivity, ecological trap, or

And:

Taxa (group, order, family or species): squirrels, owl, mice, birds, ...

The screenshot shows the home page of the BISA (Biblioteca do Instituto Superior de Agronomia) website. The header features the logo of the University of Lisbon and navigation tabs for APRESENTAÇÃO, ENSINO, INVESTIGAÇÃO, ORGANIZAÇÃO, SOCIEDADE, and VIDA NO ISA. The main banner displays the BISA logo and the text 'BIBLIOTECA DO INSTITUTO SUPERIOR DE AGRONOMIA'. Below the banner, there is a 'Recursos On-Line' section with a list of links: Bases bibliográficas da BISA, Outras Bases (circled in blue), Ponto de acesso INE, Revistas eletrónicas, Repositórios, Outras Organizações, E-Books, and EDS - Discovery Service da ULISBOA. A vertical menu on the right side of the page lists: APRESENTAÇÃO, ORGANIZAÇÃO, NEWSLETTER, BASES BIBLIOGRÁFICAS, SERVIÇOS, RECURSOS ON-LINE (highlighted), OUTRAS BASES, and PONTO DE ACESSO INE.

The screenshot shows the 'Outras Bases' page on the BISA website. The browser address bar indicates the URL 'isa.ulisboa.pt/bisa/bases-de-dados/outras'. The page content includes a list of external databases: ISI Web of Knowledge, JSTOR Plants Science, SCOPUS, STATISTA, and ULiboa. The right-hand navigation menu is identical to the home page, with 'RECURSOS ON-LINE' highlighted and 'OUTRAS BASES' selected.

Trabalho de pesquisa

Select **one paper**:

Describe: (max: 7-8 slides)

- **Model species**
- **Study case** (city, region, concerns, ...)
- **Hypothesis tested**
- **Main results**
- **Conclusions:** How urban green areas management may interfere with the studied species
- **Main take-home message idea**
- **Further work required**

Example of a paper

Spatial and temporal analysis of the distribution of forest specialists in an urban-fragmented landscape (Madrid, Spain) Implications for local and regional bird conservation

Esteban Fernández-Juricic*

Departamento de Biología Animal I, Facultad de Biología, Universidad Complutense de Madrid, Madrid E28040, Spain

Received 15 January 2003; received in revised form 23 June 2003; accepted 23 September 2003

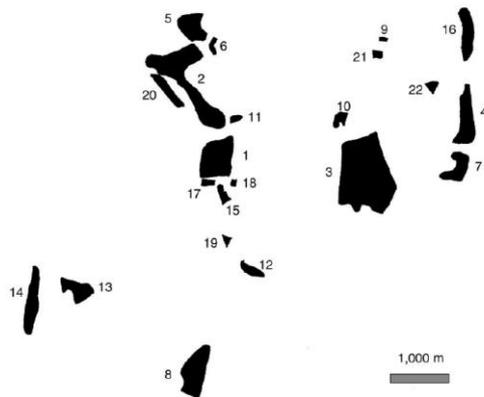


Fig. 1. Schematic representation of the 22 wooded parks in the city of Madrid (Spain) selected for this study. (1) Moro, (2) Oeste, (3) Retiro, (4) Fuente Berro, (5) Ciudad Universitaria, (6) Santander, (7) Roma, (8) Austria, (9) Joan Miró, (10) Descubrimiento, (11) España, (12) Arganzuelas, (13) Cerro Almodovar, (14) Aluche, (15) Vistillas, (16) Breogan, (17) Atenas, (18) Emir, (19) Concha Piquer, (20) Bombillas, (21) Picasso, and (22) Eva Perón.

