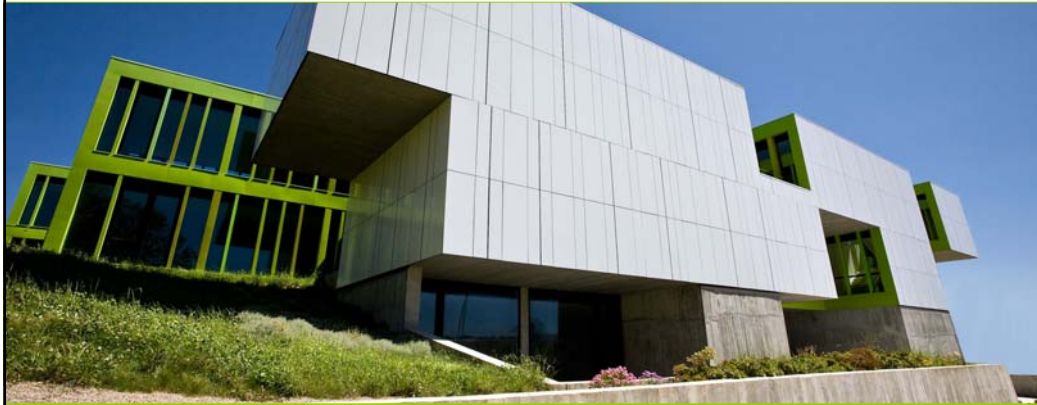


Madan Parque

PhD Programme in Electrical and Computer Engineering



Universidade Nova de Lisboa

FCT

FACULDADE DE
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UNIVERSIDADE NOVA DE LISBOA

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de Setúbal

0. Agenda_ Topics to be addressed

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- I. Private business: where to?**
- II. Basics of a STP**
- III. STPs in the world**
- IV. The Portuguese Reality**
- V. Madan Parque in a nutshell**

I. Content_ Private business: where to?

Content_ Private business: where to?

↘ There are **4 models** with some variations, that is:

- **Industrial Park;**
- **Business Park** or **Office Park;**
- **Technological Park;**
- **Science and Technology Park** or simply **Science Park.**

Content_ Private business: where to?

↘ **Fundamentals of an Industrial Park:**

- Often comprises a large area of implantation;
- Most suitable for manufacturing activities;
- RTD is usually not embedded within the Park, but connections do exist;
- Companies not related to each other OR main company + suppliers;
- **Example:** *AutoEuropa* Industrial Park.

Content_ Private business: where to?

↳ Fundamentals of a **Business park**:

- Comprises smaller areas of implantation;
- Most suitable for the tertiary sector;
- RTD is usually not required;
- Companies not related to each other: small business and/or HQs of large companies;
- **Example:** *Lagoas Park* (Oeiras).

Content_ Private business: where to?

↳ Fundamentals of a **Technological Park**:

- Comprises smaller areas of implantation;
- Groups together knowledge-intensive companies with other businesses;
- RTD compulsory: physical proximity. Privileged links to ROR and/or HEI;
- Usually small business, but also bigger companies;
- **Example:** *Tagus Valley* (Abrantes).

Content_ Private business: where to?

↳ Fundamentals of a Science Park:

- Comprises smaller areas of implantation;
- Stimulates the creation of NTBFs;
- Anchor companies constitute the driving force for clusterisation;
- RTD is compulsory: strong affiliation with HEI (research, HRD, etc.);
- **Example:** *Madan Parque*.

II. Content_ Basics of a STP

Content_ Basics of a STP

↳ IASP definition of a **Science Park**

- A **Science Park** is an organisation managed by specialised professionals, whose main aim is to increase the wealth of its community by promoting the culture of innovation and the competitiveness of its associated businesses and knowledge-base institutions.
- To enable these goals to be met, a **Science Park** stimulates and manages the flow of knowledge and technology amongst university, ROR, companies and markets.

Content_ Basics of a STP

↳ IASP definition of a **Science Park (conc)**

- It facilitates the creation and growth of innovation-based companies through incubation and spin-off processes.
- It provides other value-added services together with high-quality space and facilities.

Content_ Basics of a STP

THE INGREDIENTS

NTBFs

**FLOW OF
KNOWLEDGE**

PROFESSIONALS

**SUPPORTING
PARTNERS**

COMMUNITY

**FACILITIES
& SERVICES**

**CULTURE OF
INNOVATION**



III. Content_ STPs in the world

Content_ STPs in the world

↘ The one can find many associations at the national and international level:

- **World:** International Association of Science Parks [IASP];
- **UK:** UK Science Parks Association [UKSPA];
- **Portugal:** *Associação Portuguesa de PCTs* [TecParques];
- **Spain:** *Asociación de PCTs de España* [APTE].

Content_ STPs in the world

↘ Key figures [courtesy of IASP, as of February 2010]

- **Current members (world):** 375
- **Companies located at IASP's members:** 200.000
- **Countries with IASP members:** 70
- **IASP establishment:** 1984
- **Portuguese members of IASP:** 6 full + 2 affiliate + 1 associate

IV. Content_ **The Portuguese Reality**

Content_ **The Portuguese Reality**

↘ **Facts and figures:**

- *TecParques* is responsible for keeping the STP concept crystal clear;
- **15 parks** throughout the country;
- Different models in place, with a diversified range of promoters;
- Legal status also changes from project to project;
- Different locations: urban, rural area, next to University, etc.

Content_ The Portuguese Reality

📌 Facts and figures:

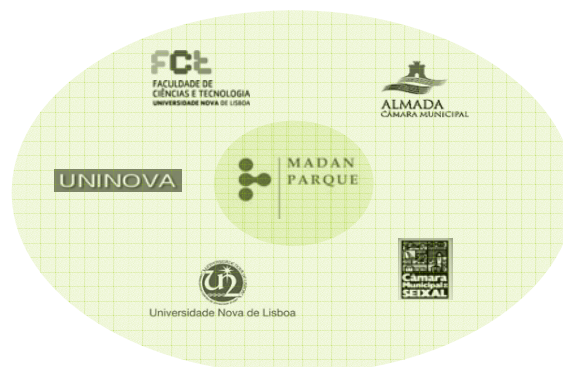
- **Greater Lisbon (4):** TagusPark, Lispolis, Madan Parque and Mutela;
- **North (3):** TecMaia, AvePark (Taipas) and UPTEC (Oporto, *FEUP*);
- **Center (4):** Parkurbis (Covilhã), Biocant (Cantanhede), Tagus Valley (Abrantes) and Coimbra Tecnopolo (starting-up);
- **South (2):** Algarve STP and SinesTecnopolo;
- **Madeira (1):** Madeira Tecnopolo;
- **Azores (1):** Azores Parque (Terceira Island).

V. Content_ Madan Parque in a nutshell

Content_ Madan Parque in a nutshell

↘ University Campus @ Caparica:

- **Location:** Caparica (left bank of Tagus River): 16 km to Lisbon centre;
- 12 Departments / 18 BSc courses;
- **Undergraduate students:** ≈ 7.000;
- **Professors:** ~480 (75% w/ PhD);
- **Campus area:** 53 ha (only half is built).



Content_ Madan Parque in a nutshell

📌 Facts about Madan Parque:

- Established in **December'95**;
- Operation proper since **March'00**;
- Implantation area of **2,5 ha (phase #1)**, located next to «Campus»;
- New facilities since **April'09**, with a construction area of **3.210 m2**;
- 3 FTEs (current staff);
- Aerospace & defense pole under negotiation.

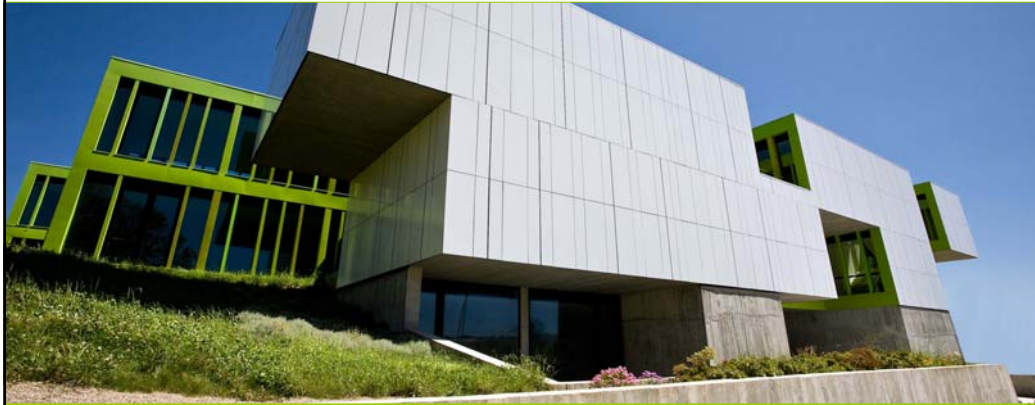
Content_ Madan Parque in a nutshell

📌 Facts about Madan Parque:

- **1.2 M€** for land infrastructures (**2,5 ha**);
- **3.0 M€** for the new facilities (administration + incubator);
- Area of land lots available for external parties: **8.350 m2**;
- Maximum construction area in free lots: **10.650 m2**;
- Expansion area comprises additional **2,8 ha** of land (**phase #2**);
- Anchor companies are welcomed. Can build their own premises;
- Anchor companies: leased land for **50 years** (in average).

Madan Parque

February '10



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