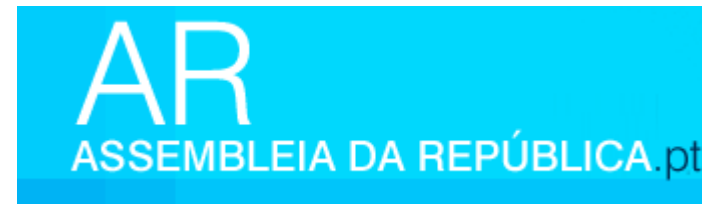


Technology Assessment in Portugal: the emergence of a national network

António B. Moniz and Maria João Maia

**(Fac. Sciences and Technology – Univ. Nova Lisbon,
CESNOVA/IET research centre)**



Agenda

- TA in Portugal since the 80s until today
- Recent evolution of TA in Portugal: GrEAT network
- A new development phase of TA
- Institucionalization of TA in Portugal
- The PhD programme on TA
- GrEAT network
 - Publications
 - The GrEAT webpage
 - The Facebook page of GrEAT
 - The LinkedIn page
 - ResearchGate page
- Working groups
- The relation with the Parliament
- Conclusive remarks

TA in Portugal in the 80s and 90s

- TA activities in Portugal had recent important developments.
- A seminal work of João Caraça and Fernando Gonçalves with the title “Towards Technology Assessment in Portugal” was published in the 80s.
- Later, some specialized activities were basically the involvement in European networks and projects
 - As the European Technology Assessment Network (ETAN) established in the 4th Framework Programme of European R&D under the targeted socio-economical research area (TSER) in the topic "Assessment of science and technology policy options") and
 - The European ASTPP network (Advanced Science and Technology Policy Planning) also with the Portuguese participation, which was approaching the concept of technology assessment and its applications.

TA in Portugal since 2000

- The beginning of the new millennium was characterised with a less involvement on TA projects and activities.
- Therefore , it was a very rich period in terms of scientific production in the field of STS studies, or on topics about science and technology management, social implications of technology innovation, ethics and philosophy of technology issues.
- Scientific production is relatively disseminated by several Portuguese universities (mainly, UNovaLisbon, UTechLisbon, UPorto, UCoimbra, ISCTE, UÉvora, UMinho)
- Simultaneously, contacts and collaborations with research and high education institutions at an European level were increasing, becoming more important and clarifying the internationalisation capacity of the Portuguese scientific production in this field.

A new development phase of TA

- With the beginning of the PhD programme on Technology Assessment at FCT-UNovaLisboa in 2009, it started the creation of a critical mass of researchers with expert training on TA that contributed to the growth number of publications and activities.
- This PhD programme had the involvement and cooperation from Karlsruhe Institute of Technology, and also the Univ. Twente (Netherlands) and Univ. Frankfurt (Germany), since it started.
- In 2010 the Grupo de Estudos em Avaliação de Tecnologia [Studies Group on Technology Assessment](GrEAT), the national TA network.
- In 2011 it started the participation in the European project on parliaments and civil society in the technology assessment (PACITA).

Institucionalization of TA in Portugal

- The Portuguese process to institutionalise TA shows clearly that the governmental mechanisms failed (observatories, special committees). It failed also the possibility to institutionalise a specific committee at the Parliament.
- GrEAT started the process of approaching the Parliament to articulate activities and collaborations. Several parliamentary groups (members, parties, commissions) are in a close and permanent contact with GrEAT members.
- It was never possible to activate TA mechanisms and institutions although the aims of several Observatories and Offices of the Ministry of Science and Technology (OCT, OCES or GPEARl) and the several National Boards of Science and Technology have pointed that way.
- Initiatives on TA research just can be resumed to the PhD programme on TA (at UNovaLisbon)

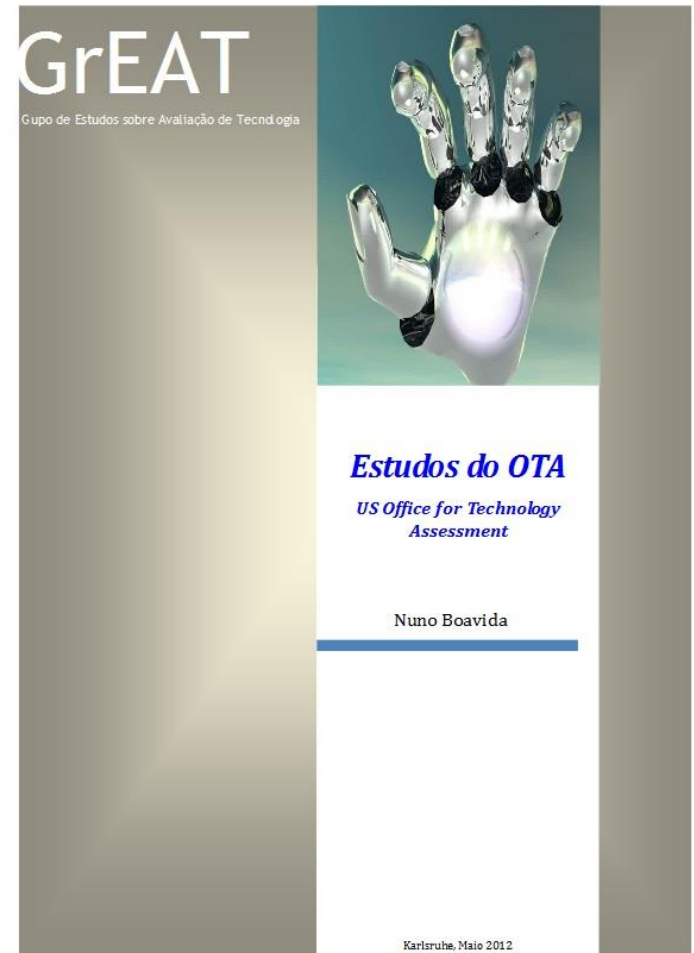
The PhD programme on TA

- First edition started in 2009/2010 (from October)
- 19 PhD students registered
- Research topics
 - **Decision-making process in radiology: the magnetic resonance example in the TA context** (Maria J. Maia)
 - **A Constructive Technology Assessment of Stationary Energy Storage Systems** (Manuel Baumann)
 - **Technology Assessment of the Quality of Magnetic Resonance Imagery** (Jorge Moura)
 - **Decision making processes based on innovation indicators** (Nuno Boavida)
 - **Corporate technology assessment applied to the manufacture industry of the high-speed train** (Susana Moretto)
 - **Disruptive innovation: Assessment of cloud computing applications** (Ana C. Cândido)
 - **Electroencefalographic assessment in children with auditive deficits** (Isabel Rosa)
 - **Bridging present and future of Brain-Computer Interfaces: Assessments of Impact** (Gabriel Velloso)
 - **Intelligent infrastructures for the road transport system** (Tomé Canas)
- **Annual Doctoral Conferences** (July) and **Winter Schools on TA** (December)
- **International cooperation:** universities of Karlsruhe-KIT, Frankfurt, Duisburg-Essen, Furtwangen, Twente, Latvia, Sofia, Liège
 - **TA institutions:** ITAS-KIT (DE), Rathenau Institute (NL), TA Swiss (CH), SPIRAL (BE)

GrEAT network

- GrEAT as the national network on TA
- Public access and information:
 - 10 webpage editors, 6900 views (mostly from Portugal, but also Brazil), 43 registered members (16.05.2013)
 - <http://avaliacaotecnologia.wordpress.com>
 - With 121 “likes” at Facebook (16.05.2013),
 - <https://www.facebook.com/pages/GrEAT-Grupo-de-Estudos-de-Avalia%C3%A7%C3%A3o-de-Tecnologia/143585172365702?fref=ts>
 - 57 members in LinkedIn (16.05.2013)
 - http://www.linkedin.com/groups?home=&gid=4279877&trk=anet_ug_hm
- Publications
- Working groups
- Connection with the PhD programme on TA

Publications:



The GrEAT webpage

GrEAT-Avaliação de Tecnologia (Portugal)

O QUE É O GREAT

GrEAT é o acrónimo de Grupo de Estudo sobre Avaliação de Tecnologia. É um grupo fundado em 2010 e tem o seu campo de actuação localizado em Portugal.

Este Grupo de Estudos nasceu da articulação de actividades de colaboração do Programa Doutoral em Avaliação de Tecnologia iniciado em 2009 na Faculdade de Ciências e Tecnologia da Universidade Nova de Lisboa e do ITAS, Instituto de Avaliação de Tecnologia e Análise de Sistemas do Karlsruhe Institute of Technology (Alemanha). Este instituto começou a colaborar com o Programa Doutoral desde o seu início.

Pretende ser uma plataforma para a promoção da reflexão em torno do conceito de "Avaliação de Tecnologia" e agregar todos os interessados na temática.

Classificar isto: ★★★★★ 5 Votes



Gostar disto: ★ Gosto

One blogger likes this.

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DEIXAR UMA RESPOSTA

Escreva o seu comentário aqui...

Webpage start

ARTIGOS RECENTES

Relatório Parlamentar de Avaliação de Tecnologia

European Conference on TA, Prague

TA Portal

Parliamentary Technology Assessment in Europe

2012 in review

ARTIGOS ANTERIORES

Seleccionar mês

FACEBOOK

Facebook post: GrEAT - Grupo de Estudos de Avaliação de Tecnologia. Gostas disto.

Facebook post: GrEAT - Grupo de Estudos de Avaliação de Tecnologia. Esta conferência terá interesse para toda a comunidade GrEAT... Programa provisório da 3ª Conferência Doutoral

GrEAT-Avaliação de Tecnologia (Portugal)

INÍCIO ACTIVIDADES ▾ GRUPOS DE TRABALHO ▾ PUBLICAÇÕES ▾ DOCUMENTOS AT ▾ REDE ▾ NOTÍCIAS FORUM

GRUPOS DE TRABALHO

- GT1 - *Avaliação de Tecnologia em Saúde*
- GT2 - *Indicadores* de Avaliação de Tecnologia
- GT3 - Avaliação de Tecnologia de *Transportes e Mobilidade*
- GT4 - Grupo de Trabalho sobre *Análise Prospectiva*

Classificar isto: ★★★★★ 2 Votes



Gostar disto:

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Working Groups

[\(Edit\)](#)

Comments

4 Responses to "Grupos de Trabalho"

António Brandão Moniz diz:

30 Julho 2011 às 09:07 [\(Editar\)](#)

Gostaria de avançar com um grupo de trabalho sobre "Prospectiva/Foresight" (em Avaliação de Tecnologia). Alguém disponível para integrar o grupo?

👍 1 🗨️ 0 🗳️ Rate This

Maria João Maia diz:

15 Agosto 2011 às 21:43 [\(Editar\)](#)

Excelente ideia!

Penso que esta temática é um pouco transversal a muitos outros temas... dentro do que me é possível, gostaria de participar!

👍 2 🗨️ 0 🗳️ Rate This

ARTIGOS RECENTES

[Relatório Parlamentar de Avaliação de Tecnologia](#)

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FACEBOOK



GrEAT - Grupo de Estudos de Avaliação de Tecnologia

Gostas disto.



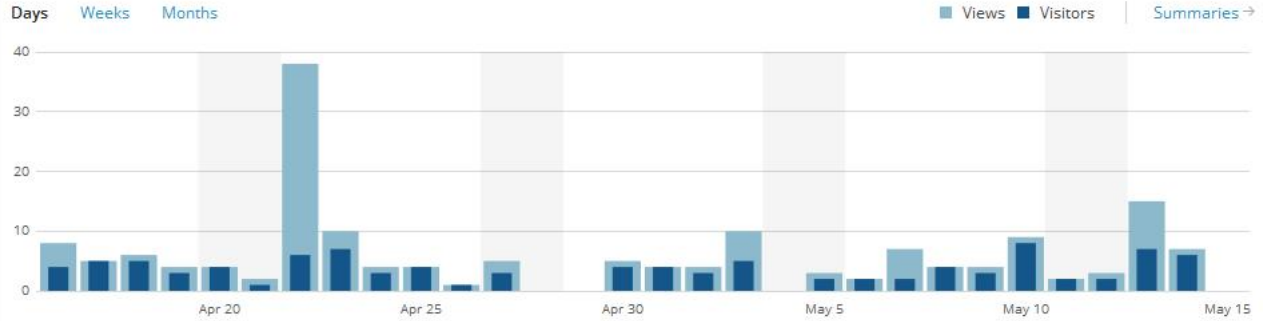
GrEAT - Grupo de Estudos de Avaliação de Tecnologia

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Programa provisório da 3ª Conferência Doutoral
avaliacaotecnologia.wordp

May 15, 2013, 9:46 am

GrEAT-Avaliação de Tecn...



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120 comments

VIEWS BY COUNTRY
Today Yesterday Summaries →
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Today Yesterday Summaries →
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Topic	Views
Uncategorized	6
PACITA	5
Avaliação de Tecnologia	4

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Top Posts for all days ending 2013-05-15 (Summarized)

[7 Days](#) | [30 Days](#) | [Quarter](#) | [Year](#) | [All time](#)

All Time

Title	Views
O que é o GrEAT	1,400
Wikipedia – Tipos e conceitos de Avaliação de tecnologia	649
Home page / Archives	307
GT1 – Avaliação de Tecnologia em Saúde	265
Associados individuais	262
Notícias	221
Actividades	175
GT4 – Análise Prospectiva	163
1º Workshop – A perspectiva na avaliação de tecnologia	142
Grupos de Trabalho	134
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Votações (2ª – Quais são as plataformas de comunicação mais adequadas?)	104
Eventos do programa doutoral em “Avaliação de Tecnologia” (FCT-UNL)	97
Wikipedia – Descrição geral	97
Conferência Doutoral 2012	92
O que é Avaliação de Tecnologia?	90
Escola de Inverno do PDAT 2010	88
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Grupos de trabalho	74
Conselho Nacional de Ciência e Tecnologia	73
Escola de Inverno do PDAT 2011	69
A actividade profissional em avaliação de tecnologia	63
2ª Escola de Inverno em Avaliação de Tecnologia	62
Workshop “A avaliação de tecnologia em Portugal: Temas e tendências”	62
GT2 – Indicadores de Avaliação de Tecnologia	60

Posts views

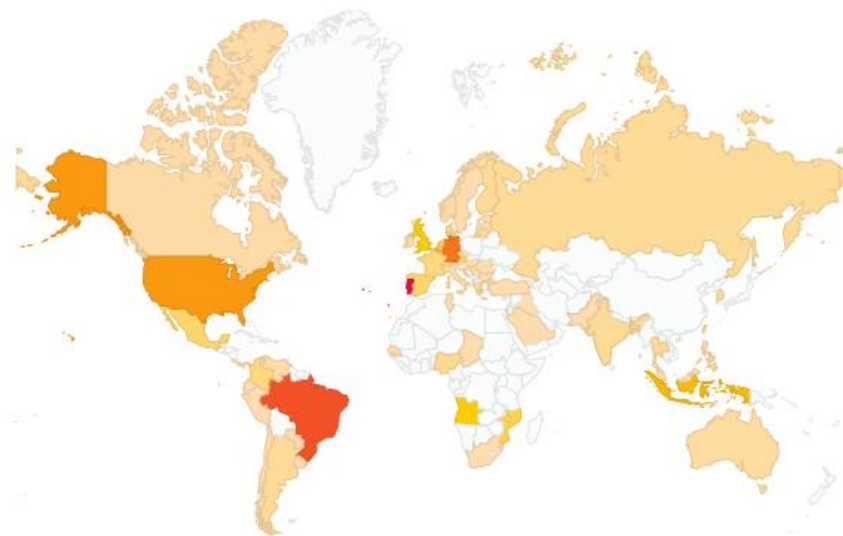


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[7 Days](#) | [30 Days](#) | [Quarter](#) | [Year](#) | [Since February 25, 2012](#)

Country	Views
Portugal	1,865
Brazil	787
Germany	424
United States	47
Belgium	38
Indonesia	28
Angola	24
United Kingdom	22
Mozambique	15
Netherlands	12
Austria	11
Spain	10
Mexico	10
Colombia	8
France	7
Denmark	6
Switzerland	6
Czech Republic	5
Nigeria	5
Taiwan	5
Russian Federation	4
Finland	4
India	4
Thailand	4
Lithuania	4
Republic of Korea	4
Argentina	4
Philippines	3



1 1,865

Views per country

The Facebook page of GrEAT

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GrEAT - Grupo de Estudos de Avaliação de Tecnologia

Liked Message

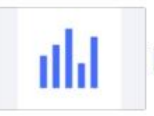
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Pretende ser uma plataforma para a promoção da reflexão



Likes 121

Programa (provis da 3ª Escola de 09:00h - 09:30h: Reception 09:30h -



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dia 4 de Julho de 2013 Reunião no CENIMAT com Torsten Fleischer (ITAS-KIT) António Moniz (FCT-UNL) Luis Pereira (CENIMAT) dia 5 de Julho

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- António Moniz @ ECAS's first large scale project was coordination of the U... 1 · 30 January at 10:14
- António Moniz @ The library structures and summarizes over 350 different ... 2 · 21 January at 12:50
- Maria João Maia @ STOA | Risk in innovation: balancing benefits and hazards 2 · 17 January at 11:10
- António Moniz

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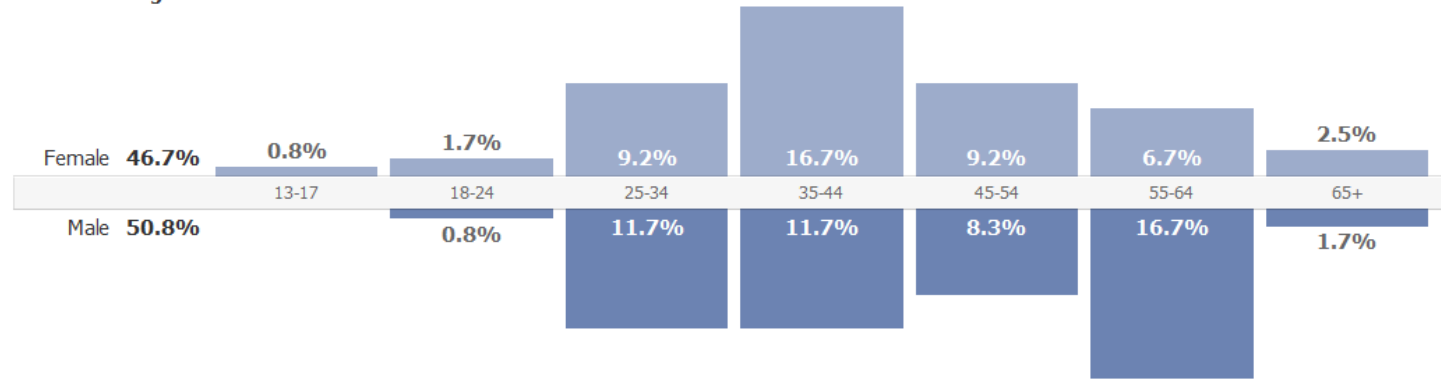
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Gender and age?



Countries?

- 97 Portugal
- 9 Germany
- 7 Brazil
- 2 Switzerland
- 2 Austria
- 1 China
- 1 Argentina

Towns/cities?

- 45 Lisbon, Lisboa
- 9 Porto, Porto
- 8 Karlsruhe, Baden-Württemberg
- 5 Évora, Evora
- 4 Almada, Setubal
- 3 Brasília, Distrito Federal
- 2 Paço de Arcos, Lisboa

Languages?

- 74 Portuguese (Portugal)
- 18 English (US)
- 12 English (UK)
- 7 Portuguese (Brazil)
- 7 German
- 2 Spanish

Chat (34)

The LinkedIn page

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Página relativa à organização das Escolas de Inverno/Winter Schools Este ano terá lugar no dia 10 de Dezembro, no auditório do CENIMAT... http://eventos.fct.unl.pt/winterschool-ta/home

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posted May 10, 2012

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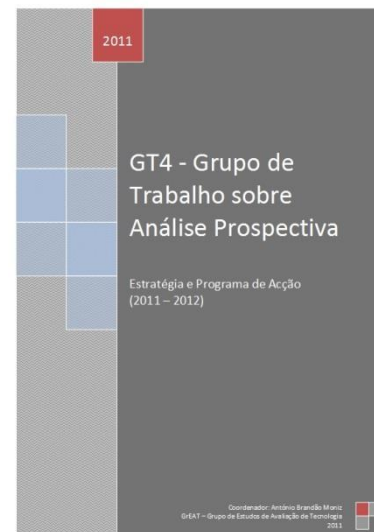
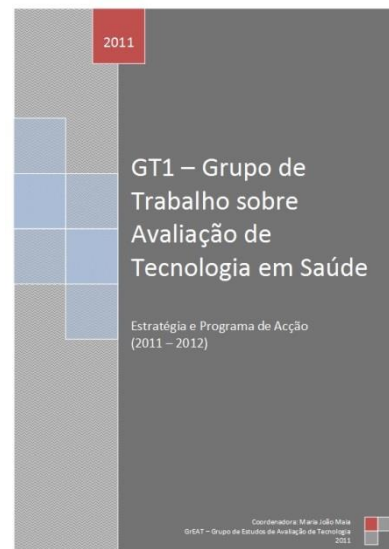
Susana Moretto
Universidade NOVA de Lisboa

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ResearchGate page

Working groups

- WP 1 – Health Technology Assessment
- WP2 – Indicators of Technology Assessment
- WP3 – Technology Assessment of Transports and Mobility
- WP4 – Foresight Analysis
- WP5 – Environmental Technology Assessment (under preparation)



The relation with the Parliament

- After the foundation of GrEAT in 2010, the Portuguese Parliament was contacted for exchange of information
- In January 2011, a meeting at the Parliament was held with the head of the socialist parliamentary group (PS)
- From mid-2011 new elections, and new Parliament organisation: PS has no longer the majority, and became the main opposition party
- From the end of 2011, members of GrEAT started their regular collaboration with the PACITA project in articulation with ITAS-KIT
- The head of the Parliamentary Committee of Science and Education participates in the 2nd Winter School on TA (December 2011)
- New webpages and organisation of working groups
- Several publications from 2012
- In 2013 new series of contacts with several Parliament groups (some MoP will participate in the 3rd Doctoral Conference, July 2013)
- Collaborative actions with the Parliament (under development)

Conclusive remarks

- The recent development of TA in Portugal is based on scientific framework of science and technology studies (STS), and emerges from the doctorate programme on TA .
- The interdisciplinary collaborations are increasing within all fields of human and social sciences and also natural sciences and engineering.
- Public events in the field of TA are also strongly connected with the PhD programme. There is a regular participation of members of Parliament and experts from all the country in those events. Those events are not merely academic.
- The cooperation with the Parliament initiated a new process (GrEAT is making available a new range of services, and MoP are participating in the public debate related with TA activities).
- Joint activities (GrEAT/Parliament) will be incentivated and reported to EPTA

Links

■ GrEAT

- <http://avaliacaotecnologia.wordpress.com>

■ Parliament

- <http://www.parlamento.pt/sites/COM/XIILEG/8CECC/Apresentacao/Paginas/Competencias.aspx>
- <http://www.parlamento.pt/sites/COM/XIILEG/6CEOP/Apresentacao/Paginas/Competencias.aspx>

■ PhD programme on TA

- http://iet.fct.unl.pt/index.php?option=com_content&task=view&id=232&Itemid=271
- <http://eventos.fct.unl.pt/phdconference-ta/home>
- <http://eventos.fct.unl.pt/winterschool-ta/>

■ LinkedIn

- http://www.linkedin.com/groups?gid=4279877&trk=hb_side_g
- http://www.linkedin.com/groups?gid=4281540&trk=myg_ugrp_ovr

■ Research Gate

- [http://www.researchgate.net/group/Grupo de Estudos sobre Avaliacao de Tecnologia GrEAT Portugal/](http://www.researchgate.net/group/Grupo%20de%20Estudos%20sobre%20Avaliacao%20de%20Tecnologia%20GrEAT%20Portugal/)
- [http://www.researchgate.net/topic/Technology Assessment/](http://www.researchgate.net/topic/Technology%20Assessment/)

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