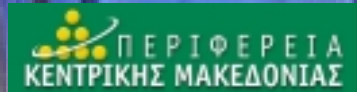




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Technological Foresight in Central Macedonia

Dr Yannis Tolias

Project Manager

Research Committee

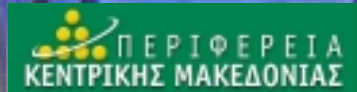
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Project Info

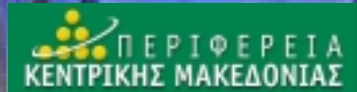
- **'Foresight in Central Macedonia'** is one of the ten projects run under the ERDF-funded **'Excellence in Central Macedonia'** Programme.
- The project is managed by the **Research Committee of Aristotle Univ. of Thessaloniki.**
- The budget is **€375.000.**
- Duration: **Jan 2003-June 2004.**



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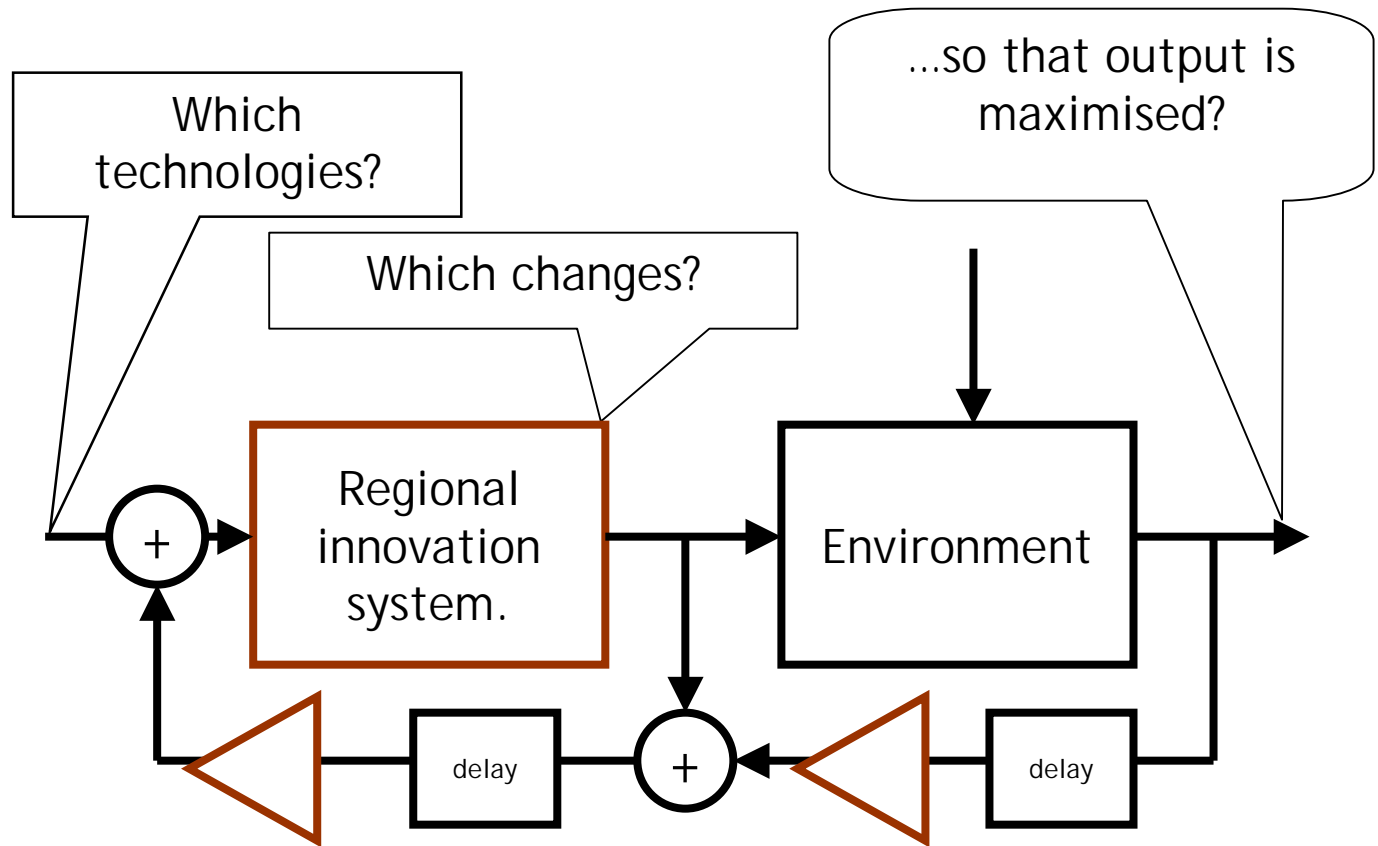
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Objectives

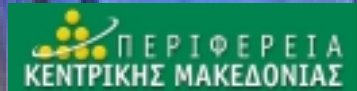




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Methodology

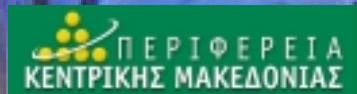
- ✓ Setting the Agenda.
- ✓ Selection of co-ordinators.
- ✓ Staffing work groups.
- ✓ WG mandates.
- ✓ The baseline situation.
- ✓ Implementation / Delphi method.
- Final results.



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Setting the agenda

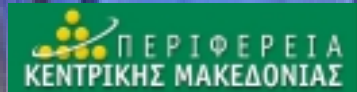
- Foresight in RCM examined technological developments in eight thematic areas that were considered of critical importance to regional development.
- The selection was made in terms of:
 - ...their potential for maximizing regional strengths and exploiting emerging opportunities, and
 - ...their potential for safeguarding against regional weaknesses and possible threats.



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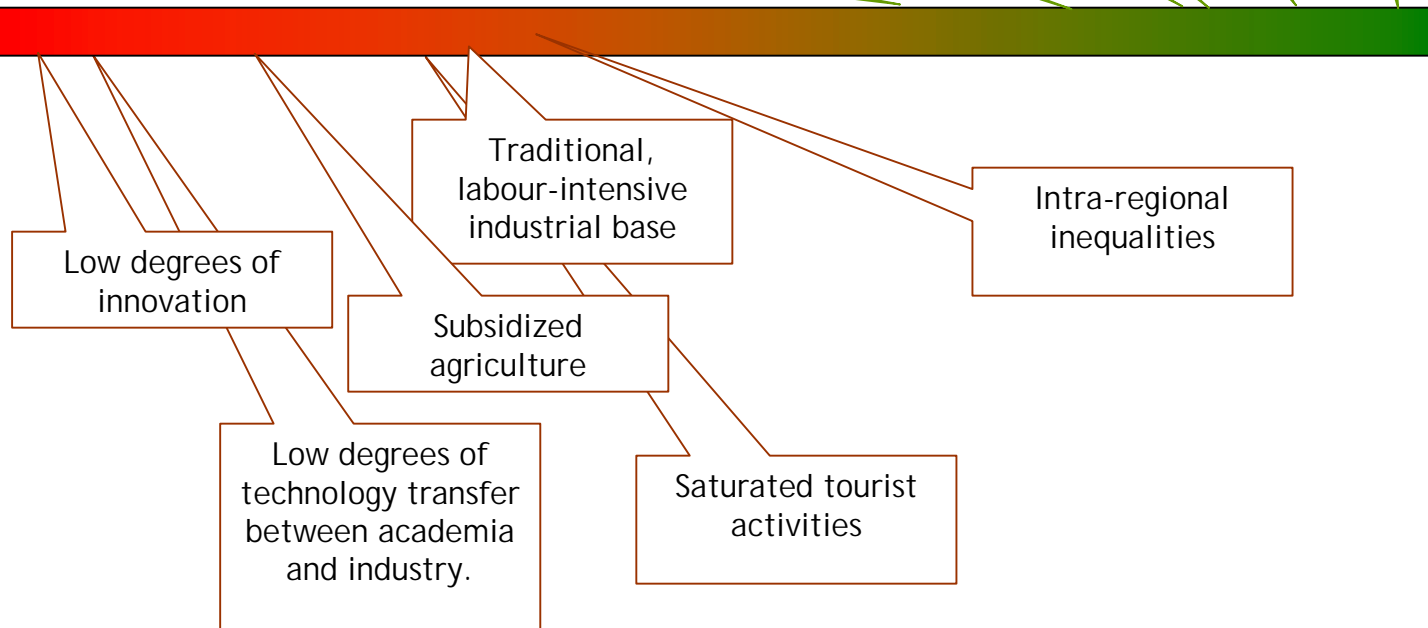
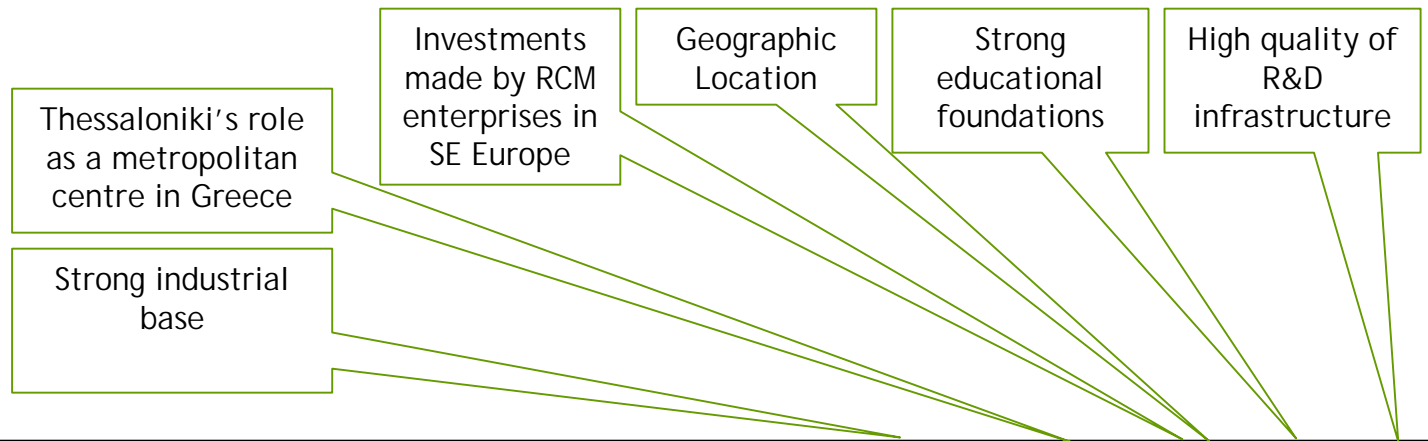
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Strengths/Weaknesses

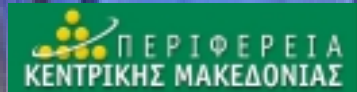




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Opportunities/Threats

- + RCM a 'gateway to SE Europe'
(Aggregation of industrial/entrepreneurial activities, combined transport infrastructure, commerce)
- + 2nd Phase of Trans-European Networks
(Energy, Transport, Telecoms)
- Distance from decision-making centres
- Insufficient infrastructure
- Unstable industrial system, highly correlated to external factors.



Thematic Areas

Six 'vertical' thematic areas

1. Information & Communication Techn.
2. Industrial technologies, materials, nanotechnology.
3. Agro- & bio-technology.
4. Environment.
5. Transport.
6. Energy.

Two 'horizontal' thematic areas:

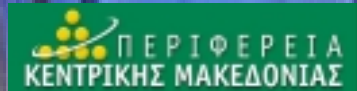
1. Human capital.
2. SE European economic area.



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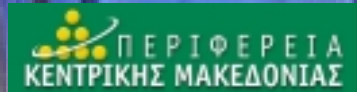
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Selecting coordinators

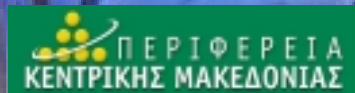
- Primary selection criteria:
 - Wide knowledge of the developments within a thematic area.
 - Deep knowledge of a subset of the thematic area.
- Supporting criteria:
 - Wide acceptance by peer entities in academia/R&D/industry.
 - Activity in competitive R&D projects in the thematic area.



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The coordinators

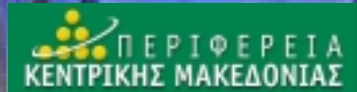
- The team:
 - Prof. Yannis Manolopoulos
 - Prof. Nikolaos Moussiopoulos
 - Prof. Zissis Samaras
 - Prof. Magda Pitsiava
 - Prof. Athanassios Tsaftaris
 - Prof. Stergios Logothetidis
 - Prof. Grigoris Kafkalas
 - Prof. Theodore Chadjipantelis
- Team statistics
 - 5 engineers, 1 physicist, 1 biologist, 1 social scientist.
 - 2 had prior foresight experience.



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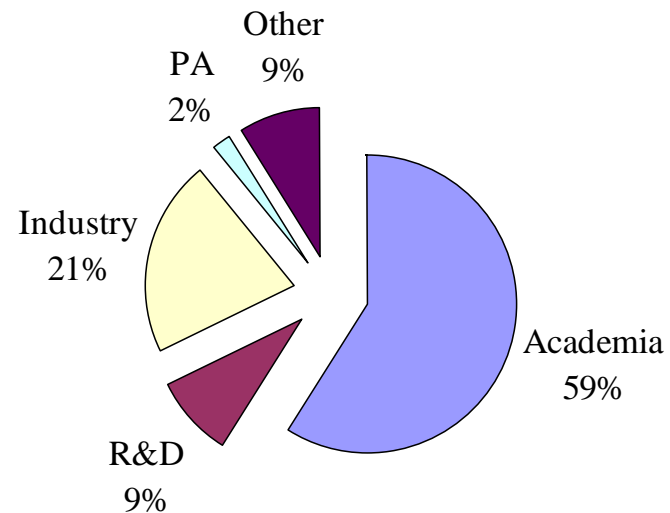


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Staffing work groups

- Coordinators selected the members of the respective work groups.
- 65 persons are actively contributing to the project.

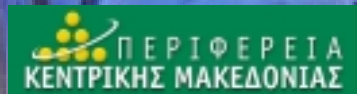




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WG tasks

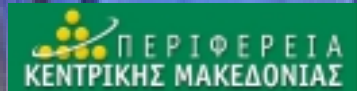
- Elaborate a WG mission statement.
- Examine and present the baseline situation and a SWOT analysis.
- Following the SWOT analysis, design a Delphi questionnaire.
- Interpret feedback, present the results.



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Delphi Statistics (1)

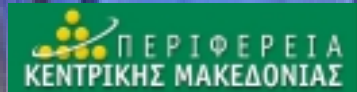
- 8 questionnaires, web-based survey.
- 20-37 statements per questionnaire.
- 1230 questionnaires sent to targeted contacts during phase I of Delphi.
- 200 responses (16%).
- Phase II to be completed on 15.2.2004.



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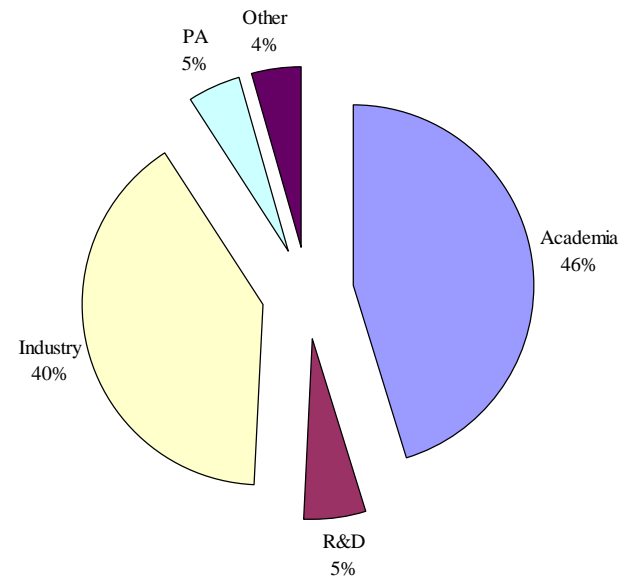
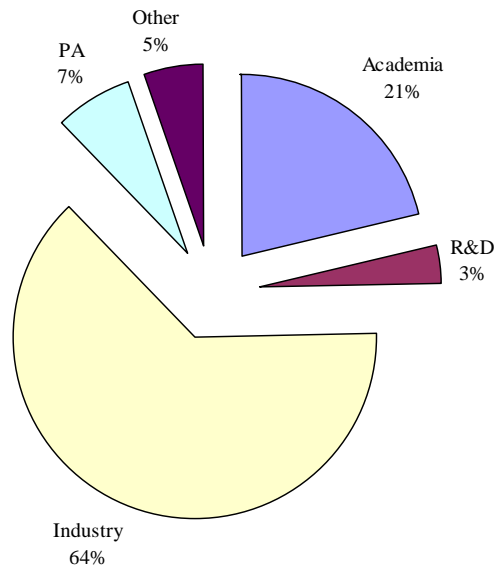
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Delphi Statistics (2)

Sample Distribution

Invited ($n=1230$) Responded ($m=200$)

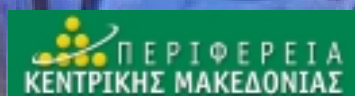




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Delphi questionnaire

- Delphi statement
- Degree of knowledge
- Statement of acceptance
- Time to materialize
- Importance to RCM
- Impacts to regional "grand strategies"
- Influencing factors

Τεχνολογική Προοπτική Διερεύνηση - Ερωτηματολόγιο DELPHI - Δεύτερος Κύκλος - Netscape

Χρήστης: ΤΟΛΙΑΣ ΣΩΑΝΝΗΣ
Όνομα: tolias@innovatia.gr
Χρήστης:

Κατάσταση: Έχετε ολοκληρώσει το ερωτηματολόγιο, στις 15/1/2004 11:35:00 πμ.
Καμία αλλαγή δεν πρόκειται να αποθηκευθεί.

ΣΗΜΕΙΩΣΗ: Παρακαλούμε να καταθέσετε τις διαφοροποιήσεις σας σε κάθε πεδίο κάθε Ερώτησης, ή να αφήσετε αμετάβλητες τις προεπιλεγές (εμπνερούσας πρές) αν νομίζετε ότι σας εκφράζουν. Σε κάθε περίπτωση πρέπει να δηλώνετε το βαθμό γνώσης σας.

Σελίδα 8 από 8

Γρήγορη πρόσβαση στις ερωτήσεις αυτής της σελίδας: 1 2 3 4 5 6 7 8 9 10

ΕΡΩΤΗΣΗ 11:
Οι υποδομές της Περιφέρειας αναπτύσσονται σε σημείο που την καθιστούν σημαντικό τηλεπικοινωνιακό κόμβο στην περιοχή της Ν.Α. Ευρώπης.

Βαθμός Γνώσης	Λίγο Σχετικός	[?]
Δέσμευση Αποδοχής	Συμφωνώ	[?]
Χρόνος Πραγματοποίησης	Στα επόμενα 5 χρόνια	
Σημαντικότητα για την Περιφέρεια της Κ. Μακεδονίας	Υψηλή	
Επιδράσεις στην Περιφέρεια της Κ. Μακεδονίας	Μείωση ενδοοικονομικών εντάσεων	Βελτίωση [?]
	Προστασία περιβάλλοντος, οικισμός	Ουδέν
	Ανάπτυξη ανθρώπινου κεφαλαίου	Βελτίωση
	Εργασία και Απασχόληση	Βελτίωση
	Μητροπολιτικός ρόλος της Θεσσαλονίκης	Βελτίωση
	Ενίσχυση που ρέει στα Βαλκάνια	Ισχυρή Βελτίωση
	Οικονομική Ανάπτυξη	Βελτίωση
Σημαντικότεροι παράγοντες που επηρεάζουν την πραγματοποίηση της δήλωσης (μέχρι 3 επιλογές)	Διεθνής Συνεργασία	<input type="checkbox"/> [?]
	Χαλάρωση ή Κατάργηση κανονισμών και ρυθμίσεων	<input type="checkbox"/>
	Ενίσχυση ή επιβολή κανονισμών και ρυθμίσεων	<input type="checkbox"/>
	Πληροφόρηση / Ευαισθητοποίηση	<input type="checkbox"/>
	Κοινωνική Αποδοχή	<input type="checkbox"/>
	Περιβαλλοντικοί όροι	<input type="checkbox"/>
	Υπαρξη επενδυτικών κεφαλαίων	<input checked="" type="checkbox"/>
	Ανάπτυξη Αγορών / Πρόσβαση σε αγορές	<input checked="" type="checkbox"/>
	Ανάπτυξη κοινοτήτων	<input type="checkbox"/>
	Μεταφορά τεχνολογίας	<input type="checkbox"/>
	Ανθρώπινο κεφάλαιο (εκπαίδευση, δεξιότητες)	<input checked="" type="checkbox"/>
	Υποδομές ΕΤΑ	<input type="checkbox"/>

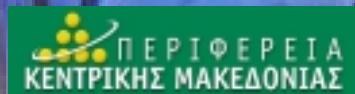
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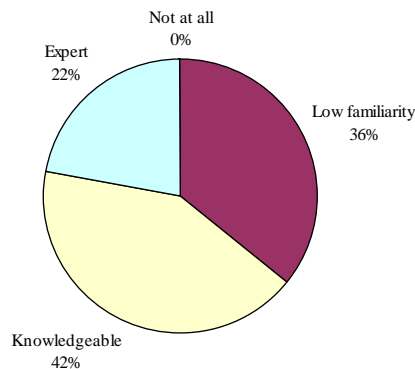


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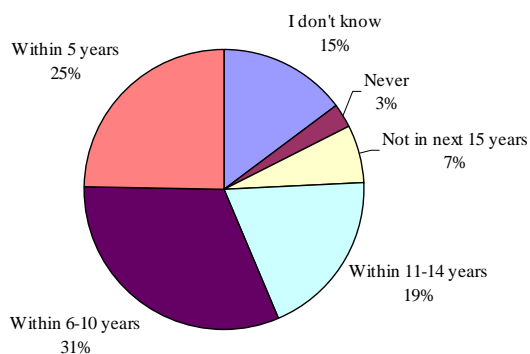
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Delphi results (round A)

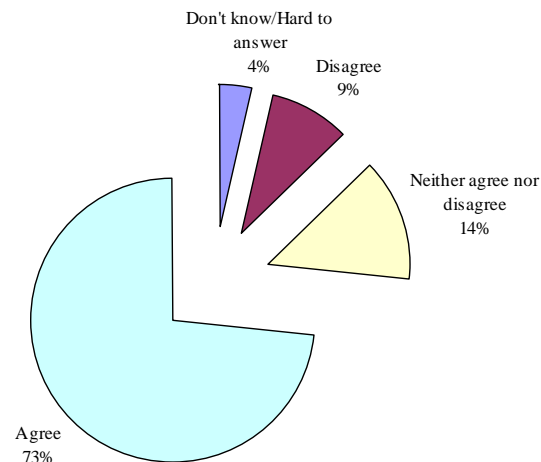
Degree of knowledge



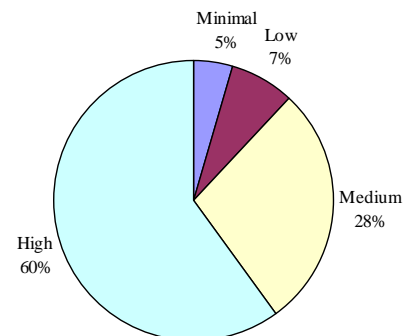
Time to materialise



Degree of statement acceptance



Importance to Central Macedonia

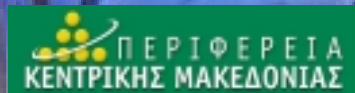




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Results so far...



14.2.2004

ERIK Workshop/Larissa

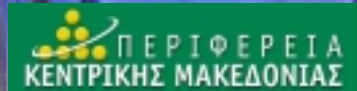
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Web site:

<http://foresight.rc.auth.gr>