



IBEC NEWSLETTER JULY 2005

MESSAGE FROM THE CHAIR OF IBEC

I see the key role of IBEC as improving access to the body of knowledge available about the costs and benefits of using ITS and helping decision makers and practitioners understand how this knowledge can best be applied in their own local circumstances.

Encouraging the evaluation of ITS deployments, the monitoring of actual costs and benefits and the reporting of results, will help ensure that ITS begins to fulfil its full potential. It is through the sharing of our collective experience, in conference sessions and workshops such as those planned for the ITS World Congress in San Francisco that the longer term objective of increased deployment for ITS will be achieved.



My thanks go to IBEC members throughout the world and the Management Committee and Secretariat in particular for sharing this vision and I look forward to seeing you all in San Francisco.

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MEMBERSHIP AREA

Does the website provide the information YOU want? Play a part in the design

The IBEC Secretariat and Management Committee are currently interested in developing the website library. If you would like to volunteer to join the sub-committee responsible for developing ideas to expand the library or have any ideas for material please contact Amy Polk (APolk@cairocorp.com)

IBEC membership update

There are now 256 IBEC members, in over 35 different countries. Our contact with members is almost entirely by email. If your email is changing, please remember to tell us!

IBEC website and email group

IBEC Secretariat is constantly updating the IBEC website www.ibec-its.org, and we would be pleased to hear suggestions for additional resources on ITS costs, benefits and evaluation for the library.

IBEC has a yahoo group enabling any IBEC member to send an e-mail message to all other members, to send announcements and pose questions of knowledgeable experts. Please contact us if you need any further information.

Call for articles in future newsletters

The next IBEC newsletter is due to be circulated in October. We would like the members to have an input into future newsletters. Please provide suitable articles no longer than 500 words on: recent reports, findings, forthcoming events or any other items of interest to IBEC. Submit all entries by email to ibec@trl.co.uk with "newsletter article" in the subject line.

RECENT REPORTS AND FINDINGS

ITS Handbook – 2nd edition

Have you obtained your copy of the new edition yet?

Co-edited by John Miles and Kan Chen, and with contributions to the text and case studies from several IBEC members, this is a MUST for anyone with an interest in the development, costs, benefits and experiences of ITS technologies and services.

Contact Michelle Pester: mpester@ropl.com

Intelligent transport systems benefits, costs and lesson learned

An executive summary to a report on "Intelligent transport systems benefits, costs and lessons learned" has been published. It provides brief information on the costs and benefits of fifteen ITS applications with detailed references to thirty evaluation reports. The executive summary can be found on the US DOT's ITS Joint Program Office website:

http://www.itsdocs.fhwa.dot.gov/jpodocs/repts_t/e/14073.htm

Finnish Evaluation Framework

An evaluation framework was created in the Finnish AINO programme to aid the service developers, evaluators and financiers in the evaluation of transport telematic services. The Excel workbook was, on one hand, created as a tool for evaluating the service development project proposals from the programme's 3rd call and, on the other hand, as a general tool for evaluating transport telematic services. The evaluation workbook is based on the Ministry of Transport and Communications' general transport project evaluation guidelines and especially on the Ministry's ITS project evaluation guidelines from 2002. The aforementioned evaluation guidelines contain more detailed information on evaluations and their basics.

The size, significance and timing of the project have to be considered when using the



workbook. Small and limited projects require a concise evaluation taking into account only the major issues while large and significant projects call for an extensive evaluation from all perspectives. The workbook can also be used in the different phases of service development and evaluation: service design, ex-ante evaluation in deciding about service implementation and ex-post evaluation in determining the technical performance and impacts of an implemented service.

The workbook contains four worksheets to be filled in. To ease the use of the evaluation workbook its different cells contain hints about the corresponding issues and questions in the so-called "Comment"- fields.

Worksheet 1 is used to describe the service or project. The actual object of the evaluation should be portrayed clearly.

Worksheet 2 is used to describe the estimated impact data of the service or project. The data needed for worksheets 1 and 2 should be found in the plans for every service or project and can be filled in by either the designer or the manager of a service or project.

Worksheet 3 is used in evaluating the service or project from different viewpoints. In the evaluation of substantial projects or in the implementation prioritisation of different projects an outside expert should be used here to evaluate the service or project as objectively as possible.

Worksheet 4 contains a summary and is meant for the evaluation coversheet and an evaluation abstract for the decision-makers. The workbook also includes a worksheet for additional information and a separate user's guide sheet.

The evaluation workbook can be downloaded from the AINO web site
http://www.aino.info/hankkeet/5_palvelup/AINO_evaluation_framework_advice.xls

Further information: armi.vilkman@mintc.fi ;
risto.kulmala@vtt.fi ; tomi.laine@strafi.ca.fi

Understanding the Benefits and Costs of Intelligent Transport Systems - A Toolkit Approach



The UK Government has welcomed the use of Intelligent Transport System (ITS) solutions in towns and cities and is actively encouraging and facilitating greater adoption of ITS by local authorities as part of a wider commitment to making best use of technology to deliver its transport objectives.

To aid this, new guidance has been published which complements the previously published 'New Technology in Transport - Improving Network Management' resource pack and the Department's Guidance on Transport Analysis. It provides specific advice on:

- the selection of ITS tools to meet policy objectives;
- the benefits & costs of ITS deployment;
- what others have done to incorporate ITS within transport plans; and
- lessons learnt from their experience.

The Guidance, "Understanding the Benefits and Costs of Intelligent Transport Systems: A toolkit Approach", is aimed at decision makers who identify strategic goals to help achieve local and national transport objectives, and transport planners who undertake the more technical aspects of a project, fulfilling the decision maker's strategic requirements.

Together these documents will help authorities assess the business case for investment in ITS



and identify how best to use ITS to meet their own, local challenges, and further supports the recently issued Local Transport Plan guidance (Second Edition - December 2004).

The Department for Transport is also considering what further advice and guidance might be helpful in this area, particularly in the area of evaluation and monitoring of ITS related schemes, and how this can ensure the toolkit remains up to date and relevant.

A free copy of the guidance, in the form of a CD, is available from the address below (quoting Product Code: 45RVD02310):

DfT Publications, PO Box 236, Wetherby, West Yorkshire, LS23 7NB, UK. Tel: +44 (0)870 1226 236, Fax: +44 (0) 870 1226 237, E-mail: dft@twoten.press.net

EVENTS AND IBEC ACTIVITIES

IBEC sessions at ITS World Congress, San Francisco, USA

IBEC are sponsoring 4 special sessions on Tuesday 8th November and are running a full day workshop on Sunday 6th November.



- **Private Sector Decision-Making on ITS Investments: Making the Business Case for ITS:** Tuesday 8th November 08:30-10:00, Room 133.

When determining whether or not (and how much) to invest in ITS, the decision-making process is different in the private sector than

the public sector. What kind of data does the private sector collect? How do companies analyze data in order to support their decision-making process? In this session, speakers from private sector organizations, large and small, from around the world will shed light on this aspect of ITS investment decision-making, which is not well documented in the public arena.

Contact: Dick Mudge, Delcan (r.mudge@delcan.com) and William Johnson, TRENDS (johnswf@attglobal.net)

- **Where do I start? Issues facing Economies in Transition and Developing Countries:** Tuesday 8th November 10:30-12:00, Room 133.

Economies in transition and developing countries face different and unexpected issues when deploying ITS projects. The World Road Association (PIARC) committee on network operations are studying what evaluation is needed. Where evaluation is not part of the ITS implementation process, speakers from the committee will discuss why and how ITS implementation decisions are made.

Contact: John Miles, Chair PIARC Technical Committee TC1-4 (jcm@ankerbald.co.uk)

- **Hot Off the Press! The Latest Evaluation Results in Europe and North America:** Tuesday 8th November 13:30-15:00, Room 133.

Come to this session to hear the latest findings from evaluations in Europe and North America. What are recently completed field operational tests, model deployments, and Euro-Regional projects telling us about the impacts of ITS? Don't wait for the report to be published; be the first to hear the results.

Contact: Barbara Staples, Mitretek Systems (bstaples@mitretek.org) and Steve Morello, ISIS (s.morello@isis.tm.fr)



- **The Impacts of Road Pricing: Beyond the Technology:** Tuesday 8th November 15:30-17:00, Room 133.

Road pricing projects are operating or in the planning stages in several locations around the world, such as Singapore, U.S., U.K., Germany, Eastern Europe, and many others. Much has been written and presented evaluating the technology options for road pricing, but until now, less information has been available about the impacts of these systems on travelers' daily lives. In pure cost-benefit terms, it could be argued that road pricing does not produce net benefits, just a transfer from one type of stakeholder to another. However charging for road use does have secondary impacts, which may provide specific benefits. Can such benefits be identified? And if so, what are they and how should we measure them? Now that a critical mass of road pricing projects is operating around the world, these questions can be answered. Come to this session to hear implementers and evaluators of road pricing projects from around the world discuss the issue of benefits of road pricing and how to evaluate them.

Issues beyond the technology include: Enforcement (fraud, occasional users, etc); Vehicle classification; Exchange of Information: existing tolls and setting up agreements.

Contact: Steve Morello, ISIS
(s.morello@isis.tm.fr)

For more information on the World Congress see: <http://www.itsworldcongress.org/>

An IBEC Workshop in San Francisco: An International Tour of ITS Benefits, Evaluations, and Costs

On Sunday November 6th a full day workshop organised and coordinated by IBEC will take place in the Hilton Hotel, San Francisco from 09:30 – 16:30.

This one-day international "tour" of ITS deployments and evaluations will present the world of ITS results to transportation program

managers and evaluators for discussion, debate, and insight. The day will focus on:

- Electronic Payment
- Advanced Traveller Information Services
- Vehicle-Infrastructure Integration

ITS program managers from the United States, New Zealand, Denmark, Germany, England, China, and elsewhere will present lessons learned, discussing their successes, failures, and future plans for achieving their program goals.

Join the ITS International Benefits, Evaluation, and Costs Working Group (IBEC) and colleagues from around the world for a dynamic and informative day of learning about the best that ITS can achieve in the US and Europe.

Contact Person:

Jane Lappin, Volpe National Transportation Systems Center (lappin@volpe.dot.gov)

Timetable:

- 9:30 Breakfast and Welcome
- 10:00 Parallel sessions:
 - Electronic Payment
 - Traveller Information Systems
- 12:00 Lunch.
- 1:00 Vehicle-Infrastructure Integration
- 2:30 Break
- 2:45- Supporting Decision-Makers on ITS Investment
- 4:15 Wrap-Up

A registration fee of \$50 will be charged to attend the workshop, this will include lunch. For catering purposes the number of people attending the conference is required in advance. Therefore please contact Patty Del Pozo (pdelpozo@itsa.org) if you plan to attend the workshop. The fee can be paid in advance through the congress website (to be updated shortly) or on the day of the event. If you have any registration enquiries please contact Patty Del Pozo.

IBEC hope to see as many people as possible supporting this innovative and exciting full day workshop. It is expected to be a truly



International Benefits Evaluation and Costs
Working Group

stimulating, informative and thought provoking event.

Dublin, September 2005



IBEC will be sponsoring a workshop on the 20th September 2005 (the day before the EuroRegional Conference in Dublin). The workshop will be held at Bedford Hall in Dublin Castle. The theme will be on improving safety; Irish and International case studies will be used for illustration.

Objectives:

- Introduce ITS to Irish decision-makers and engage them in future developments;
- Provide a forum for discussion and debate;
- Encourage participation;
- Explain the potential of ITS; and
- Encourage involvement in IBEC and other ITS organisations.

The session will start with an introduction from the Chair, James Caffrey of DoT Republic of Ireland. Joe Peters of the UD DOT will discuss why is ITS relevant, how does it connect? Why invest? What about architecture and Organisational issues? Why talk and Why Share. Jane Lappin from Volpe national transport systems Centre, USA will discuss local examples of ITS. Following this there will be some international examples of ITS followed by a workshop discussion and a wrap-up.

I2TERN is the Conference of the Euro-Regional Projects. The 2005 Conference will be hosted by I2TERN in Dublin from 21st-23rd September 2005. If you would like to register to attend, please consult the conference website at www.i2tern.info.

ITS Asia Pacific 2005

The 7th Asia Pacific ITS forum and Exhibition will be taking place in New Delhi, India on August 9-11, 2005. The forum will gather researchers,

experts and professionals, government officials, and policy makers from over the world to present, discuss and exchange experiences on recent developments in ITS. An exhibition will be held at the same time providing great opportunities of interaction between forum participants and commercial exhibitors.



More information about the conference can be found on the official website: www.itsindia.org

The latest IBEC Event now has proceedings published:

ITS Hannover, 1-3 June 2005



The 5th European
Congress and Exhibition
on Intelligent Transport Systems
and Services
1-3 June, 2005

IBEC organised a special session at ITS Europe. The proceedings can be found on the IBEC website (www.ibec-its.org). The session, chaired by Keith Keen of the European Commission, was titled "**Guiding Decision Makers on ITS Investment – The Power of Evaluation**". The following presentations were given:

- ITS Achievements – Steve Morello, ISIS, France.
- Making information accessible – Barbara Staples, Mitretek, USA.
- Experience sharing – the role of IBEC – Steve Tarry, Faber Maunsell, UK.

Details of a presentation that was planned by Georg Stefan Stern of the Federal Transport Ministry in Germany is also provided in the proceedings. The paper and presentation describe "The role of ITS in delivering Transport Policy".