Abstract

This document provides an index of the dissemination efforts and achievements during Year 1 of the CONSERN projects.
Executive Summary

The Specific Targeted Research Project “COoperative aNd Self growing Energy awaRe Networks” (CONSERN) contractually started in June 2010 and is addressing Objective ICT-2009.3.5, Engineering of Networked Monitoring and Control Systems part b) Wireless Sensor Networks and Cooperating Objects, and, part a) Foundations of complex systems engineering.

This CONSERN Deliverable D6.1 “Dissemination Package Period 1” is providing an index of all dissemination, standardisation and exploitation activities during Year 1 of the CONSERN projects. All the related documents (papers, presentations, posters etc) are included in a separate zip file.

During the Period 1, the CONSERN project partners have submitted one (1) magazine paper, eleven (11) scientific papers in conferences and workshops, have participated in concertation and cluster meetings, workshops and standardisation activities, whereas two (2) patents have been submitted from CONSERN partners.
### Contributors

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</tbody>
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1. CONSERN Dissemination

The dissemination of the CONSERN outcomes to both the research and the standardisation community is one of the key objectives of the consortium. Towards this goal the CONSERN consortium aims at designing, orchestrating and implementing dissemination plans to create a strong awareness of the CONSERN project at European level. Specifically, CONSERN consortium will apply a cascaded dissemination strategy which encompasses a number of different means so as to achieve the highest possible impact of the project outcomes within the European ICT and the global research community. The wide availability of CONSERN results to a broader audience will be pursued, targeting a number of different dissemination activities. Such activities shall include:

International conferences, workshops, peer reviewed journals, magazines and book chapters: Coordination, publication and presentation of CONSERN contributions to high quality International conferences, as well as peer reviewed Journals and Magazines will be realized, fostering the external presentation of CONSERN solutions and promoting awareness for its outcomes. High quality CONSERN work items will be presented and demonstrated in top rated international conferences such as such as IEEE ICC, IEEE VTC, IEEE DSN, IEEE ISLPED, IEEE CSCWD, IEEE DATE, EWSN, ACM SenSys and IEEE SECON. In addition, the publication of CONSERN solutions to peer reviewed Journals and Magazines and special issues in the research areas of the project will be exploited, fostering the externalisation of the project work. Especially Journals fare that are characterized by high Impact Factors will improve the visibility of the consortium, resulting also in increased number of citations, which are a major factor for determining the quality and impact of scientific work. Publication of concrete CONSERN outcomes in book chapters is also of major importance in order to increase the visibility of the project outcomes. Finally, special CONSERN sessions at conferences will be organised to facilitate the project promotion. Potential target can be the PIMRC conference, where NKUA could undertake the task to propose such a session to the organising committee. Such activities will be pursuit by all consortium members, so as to maximize the project impact and awareness.

The overall dissemination opportunities and achievements from the CONSERN consortium include the following items:

- Identification of opportunities for publication of papers within journals and Magazines (Section 4.1),
- Identification of opportunities and contribution to conferences and workshops: Papers, presentations, posters, participation to panels (Section 4.2),
- Contributions to ICT Activities (Section 4.3),
- Contributions to standardisation (Section 4.4).

1.0 Journals and Magazines

Respective metrics for journals are the impact factor, and the immediacy index[4][5].The impact factor is a very useful tool for evaluation of journals, but it must be used discreetly. Considerations include the amount of review or other types of material published in a journal, variations between disciplines, and item-by-item impact. In its pure expression the impact factor is useful in clarifying the significance of absolute (or total) citation frequencies. It eliminates some of the bias of such counts which favour large journals over small ones, or frequently issued journals over less frequently issued ones, and of older journals over newer ones. Particularly in the latter case such journals have a larger citable body of literature than smaller or younger journals. All things being equal, the larger the number of previously published articles, the more often a journal will be cited. An example of how the journal impact factor can be calculated is as follows. Assume A is the total cites in 1992, B is the 1992 cites to articles published in 1990-91 (this is a subset of A) and C is the number of articles published in 1990-91. Then the 1992 impact factor is given by D=B/C. An alternative five-year impact
can be calculated based on adding citations in 1988-92 articles published in the same five-year period. And yet another is possible by selecting one or two earlier years as factor B above. Finally, calculation for impact factor revised to exclude self-citations is also feasible. The immediacy index is calculated based on the papers published in a journal in a single calendar year. For example, the 1992 immediacy index for a journal would be calculated as follows. Let A be the number of times articles published in 1992 were cited in indexed journals during 1992, and B the number of articles, reviews, proceedings or notes published in 1992. Then the 1992 immediacy index is given by D=A/B. As with the impact factor, there are some nuances to this that are derived by excluding certain article types (such as news items, correspondence, and errata) from the denominator.

CONSERN reports 1 (one) dissemination efforts in magazine journal paper for the first year (M1-M12), as listed in Table 1-1:

<table>
<thead>
<tr>
<th>Author(s)</th>
<th>Title</th>
<th>Journal/Magazine Name</th>
<th>Date</th>
<th>Reference</th>
</tr>
</thead>
</table>

Table 1-1: CONSERN magazines dissemination.

### 1.2 Conferences and Workshops

Conferences are important dissemination targets, since they often attract a broad audience and have usually a short time interval between submission and publication, constituting them preferable choices for fast dissemination of project outcomes. Common quality criteria for conferences include the acceptance rate (a low acceptance rate indicates strict selection between the submitted research works), as well as metrics related to the citations of the conference (h-index, g-index, etc). The h-index [2] of a conference is the largest number x of articles that have appeared in that conference and have been cited at least x times. It is a standard measure of the impact of research of individuals and equally valid for journals and conferences [1].

CONSERN reports 11 (eleven) dissemination efforts/achievements in conference contributions for the first year (M1-M12), as listed in Table 1-2:

<table>
<thead>
<tr>
<th>Author(s)/Presenter</th>
<th>Title</th>
<th>Conference Name</th>
<th>Location</th>
<th>Date</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Author(s)/Presenter</td>
<td>Title</td>
<td>Conference Name</td>
<td>Location</td>
<td>Date</td>
<td>Reference</td>
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</table>
## 1.3 Contribution to ICT activities

Dissemination materials additionally include invited talks, panels, book chapters, cluster meetings and standardization contributions. Such material is potentially made available to broad audiences and thus plays a significant role in disseminating project outcomes. Quality of such material cannot be determined directly based on metrics as the impact factor and h-index that are used for journals and conferences. Nevertheless, the reputation/impact of the corresponding conference can be considered as an index for the impact of the presentation, panel or invited talk. In a similar way, the impact of books and book chapters is usually associated with the editor and publisher.

CONSERN contributed to European Cluster Meetings, has participated in various Panels and workshops, and Standardization bodies (ETSI RRS, IEEE P802.11). CONSERN contributions and presence in clusters and concertation meetings, panels and workshops, and standardization bodies

<table>
<thead>
<tr>
<th>Author(s)/Presenter</th>
<th>Title</th>
<th>Conference Name</th>
<th>Location</th>
<th>Date</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Raju, S. Lindmark, S. Delaere, V. Gonçalves, M. Stamatelatos, P. Ballon</td>
<td>Multi-Actor Analysis in a Green Business Ecosystem.</td>
<td>10th Conference of Telecommunication, Media and Internet Techno-Economics (CTTE)</td>
<td>Berlin, Germany</td>
<td>May 16-18, 2011</td>
<td>Paper on Session: Green IT &amp; Interconnection</td>
</tr>
</tbody>
</table>

Table 1-2: CONSERN conferences dissemination.
are summarised in Table 1-3. Table 1-4 and Table 1-5 respectively. More details are given in the subsequent sections.

<table>
<thead>
<tr>
<th>Presenter</th>
<th>Title</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nancy Alonistioti</td>
<td>Cooperative and Self-growing Energy Aware Networks</td>
<td>4th Concertation Meeting on Monitoring and Control, Concertation on Wireless Sensor Networks and Coordinating Objects (WSN&amp;CO), 2-4 June 2010, Brussels, Belgium</td>
</tr>
<tr>
<td>Nancy Alonistioti</td>
<td>Smart Buildings Cluster: From Construction to Usage</td>
<td>4th Concertation Meeting on Monitoring and Control, First Meeting of the M&amp;C Cluster on Smart Buildings, 2-4 June 2010, Brussels, Belgium</td>
</tr>
<tr>
<td>Makis Stamatelatos</td>
<td>Adapting to change (from Construction to Usage to Re-purposing)</td>
<td>Second Meeting of the Monitoring and Control Cluster on Smart Buildings/Smart Spaces, 11-12 November, Lisbon, Portugal.</td>
</tr>
</tbody>
</table>

Table 1-3: CONSERN contributions in Cluster and Conseration meetings (Y1).

<table>
<thead>
<tr>
<th>Author(s)/Presenter</th>
<th>Title</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apostolos Kousaridas,</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tilemachos Doukoglou</td>
<td>Oral presentation of several eEnergy aspects, some of which were relevant to the CONSERN context.</td>
<td>E-ENERGY 2010, October 14-15, 2010, Athens, Greece Conference organized by ICST and supported by the National technical University of Athens (NTUA)</td>
</tr>
<tr>
<td>Ioannis Chochliouros</td>
<td>Challenges for Enhanced Network Self-Manageability in the Scope of Future Internet’s Development: Background information for the scope of the CONSERN</td>
<td>Participation to the Future Internet Assembly (FIA) – May 18-10, Budapest, Hungary. Lecture Presentation in the scope of the FIA Book Session.</td>
</tr>
</tbody>
</table>
Table 1-4: CONSERN presence in Panels and Workshops and other ICT events (Y1).

<table>
<thead>
<tr>
<th>Author(s) / Presenter</th>
<th>Title</th>
<th>Standardisation Body / Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nancy Alonistioti</td>
<td>Cooperative and Self-growing Energy-aware Networks</td>
<td>ETSI TC RRS, 10th Plennary Meeting, 04-06 May 2010, Athens, Greece</td>
</tr>
<tr>
<td>Makis Stamatelatos</td>
<td>Study on Use Cases related to Improvement of Energy Efficiency in operating Heterogeneous Wireless Networks</td>
<td>ETSI TC RRS, 12th Plennary Meeting, 23-25 November 2010, Munich, Germany</td>
</tr>
<tr>
<td>Marc Emmelmann, Bernd Bochow</td>
<td>Self-growing Use Cases requiring Fast Initial Link Setup</td>
<td>IEEE 802.11 TGAi, March 2011</td>
</tr>
</tbody>
</table>

Table 1-5: CONSERN contributions in Standardisation bodies.

### 1.3.1 Fourth Concertation Meeting on Monitoring and Control

CONSERN participated to the 4th Concertation meeting held in Brussels, 2 – 4 June 2010. Specific contributions were provided in the context of:

- Concertation on Wireless Sensor Networks and Cooperating Objects (WSN&CO)
- CONSERN presentation (Figure 1-1): [http://cordis.europa.eu/fp7/ict/necs/docs/events/20100602/20100602-03-na-consern_en.pdf](http://cordis.europa.eu/fp7/ict/necs/docs/events/20100602/20100602-03-na-consern_en.pdf)
Figure 1-1: CONSERN presentation in Concertation on Wireless Sensor Networks and Cooperating Objects (WSN&CO).

- First Meeting of the M&C Cluster on Smart Buildings
- CONSERN presentation (Figure 1-2): [http://cordis.europa.eu/fp7/ict/necs/docs/events/20100602/20100602-29-na-consern-construction2operation_en.pdf](http://cordis.europa.eu/fp7/ict/necs/docs/events/20100602/20100602-29-na-consern-construction2operation_en.pdf)

![Consern Presentation](image)

Figure 1-2: CONSERN presentation in 1st Cluster on Smart Buildings.

1.3.2 Second Meeting of the Monitoring and Control Cluster on Smart Buildings/Smart Spaces

CONSERN participated to the 2nd meeting of the Monitoring and Control cluster on Smart Buildings/Smart Spaces held in Lisbon, 11 – 12 November 2010. Specific contribution ([http://cordis.europa.eu/fp7/ict/necs/docs/events/20101111-12/20101111-11-ms-consern_en.pdf](http://cordis.europa.eu/fp7/ict/necs/docs/events/20101111-12/20101111-11-ms-consern_en.pdf)) was provided during the cluster meeting highlighting CONSERN considerations and concepts applicable in Smart Buildings, and more specifically the self-growing as a promising paradigm on the Full Building Life-Cycle Management (Figure 1-3).
1.3.3 Sixth Monitoring & Control Concertation Event

CONSERN participated to the 6th Monitoring and Control Concertation Event and the Smart Buildings/Smart Spaces cluster meeting held in Brussels, June 9th and June 10th respectively (http://cordis.europa.eu/fp7/ict/necs/events_en.html). CONSERN presented latest considerations on smart buildings and a prototyping scenario for Energy-aware and Self-growing network “in action” (Figure 1-4).

Figure 1-3: CONSERN presentation during 2nd Smart Buildings cluster meeting.

Figure 1-4: CONSERN presentation during 3rd Smart Buildings cluster meeting.
1.3.4 CONSERN Brochure

Figure 1-5: CONSERN Brochure.

1.3.5 IEEE SECON 2010

CONSERN participated in the IEEE SECON 2010 held 21-25 June 2010 in Boston, US. CONSERN submitted a position paper (as in Table 1-2) and a related poster as in Figure 1-6 as well as a flash demo as in Figure 1-7
Cooperative aNd Self growing Energy awaRe Networks – CONSERN

Why CONSERN...

- Energy efficient and dependable operation at the level of cooperating wireless elements, network compartments and networks as a whole is becoming an increasingly difficult objective.
- Existing solutions are optimised for a single purpose:
  - expensive and lack flexibility.
  - flexibility would allow offering hybrid solutions with significantly reduced effort and cost.

CONSERN aims at developing and validating a novel paradigm for dedicated, purpose-driven small-scale wireless networks and systems, characterized by a service-centric evolutionary approach, introduced here as an energy-aware self-growing network.

**Concepts**

- A Self-Growing network set up on-demand, single-purpose, during its lifecycle evolve to serve different objectives.
- Lifecycle and serve as a dedicated purpose network or as a failover for applications associated with other network types.

**Objectives**

- Development and optimisation of cooperative mechanisms for heterogeneous distributed elements in a small-scale, purpose-driven network.
- Underlying mechanisms for scalable energy efficient heterogeneous self-growing network paradigms and market impact.
- Development and presentation of an integrated demonstrator based on the selected scenarios.

**Approach**

- Balance between the autonomy and the efficient cooperation for maximizing the gains in energy efficiency and dependability.
- Managed network, wireless backbone, ad-hoc wireless network infrastructures and incident area networks.
- The concepts and the mechanisms for the self-growing enablers might form a complete toolbox that can be applied to a wide range of areas.

**Impact**

- Develop self-adaptable and self-growing networks that utilize and balance the benefits of the autonomic and cooperative communication paradigms in order to achieve flexibility, scalability, and energy efficiency.

- Considering the broad range of product types targeted by CONSERN, the potential project contribution is expected to be quite significant.

**Project Overview**

- The team:
  - INRIA, INMOU, IRES, Fraunhofer, IBBT, IRIT, IMEIC, TREB, CITE
- Project Info:
  - Duration: 24 months
  - Start: 1 June 2010
  - Total Cost: 3.8 M€
  - EC Contribution: 1.1 M€
- Contacts:
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  - nalonistioti@inria.fr
  - Dr. Rigo Schulz – Technical Manager
  - rigo.schulz@imeic.com

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**Figure 1-6:** CONSERN Poster in SECON 2010.

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Cooperative and Self-Growing Energy-Aware Networks

*Networked Embedded and Control Systems*


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**Figure 1-7:** CONSERN flash demo in SECON 2010.

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CONSERN Deliverable D6.1
1.3.6 17th European Wireless Conference
NKUA as CONSERN partner participated in the 17th European Wireless Conference (EWC 2011) held in Vienna, Austria, from April 27 to April 29, 2011. NKUA presented an approach for exploring Self-growing aspects in LTE advanced.

Figure 1-8: NKUA presentation in EW2011.

1.3.7 2nd International Workshop on Cognitive radio and Cooperative strategies for POWER saving at IEEE VTC Spring 2011
CONSERN participated in the 2nd International Workshop on Cognitive radio and Cooperative strategies for POWER saving Co-located with IEEE VTC conference (http://www.ieeevtc.org/vtc2011spring/workshops.php#C2POWER), held in 15 May 2011, in Budapest. The workshop was organised by the ICT-C2POWER project. CONSERN submitted a technical paper at the workshop which was accepted (as presented in Table 1-2). The Technical Program of the workshop is depicted in Figure 1-9.

Moreover, CONSERN accepted the invitation for a presentation in the Panel discussion on “Energy Efficiency in Future Telecommunications: Technical Issues, Standardization Activities and Business Requirements”. CONSERN was represented by Prof. Nancy Alonistioti, CONSERN Coordinator who made CONSERN presentation on mechanisms and initial results regarding autonomic and cooperative energy efficiency (Figure 1-10).
Technical Program

8.30 – 9.00: Registration

9.00 – 9.15: Welcome Speech from Workshop Chair

9.15 – 10.15: Keynote Speech
Title: Green Mobile Clouds
by Frank Fitzek [University of Kiel, Germany]

10.15 – 10.30: Morning Coffee/Tea break

10.30 – 12.00: Technical paper presentations
1. Novel cluster formation framework for energy-efficient short-range cooperative strategies - Jakub Kliba [Vrije Universiteit Brussel (VUB)], Kandapana Sitharpanamthun [CREATE-NET], Radovan Pichl [Vrije Universiteit Brussel (VUB)]
3. Multi-hop versus Overlay Networks: A realistic comparison based on energy requirements and latency - Marcos Katz [ Univ. Oulu], Frank H.P. Fitzek, James Hidalgo, Marten V. Fudenberg [Aalborg Univ.], Gregor Belf [Budapest Univ. of Technology and Economics]
4. Enabling for Energy-Aware Cooperative Decision and Control in Wireless Networks - Demosthenes P. Katsanos, Gunther Hedy [Huawei Technologies Sweden AB], Woon Hau Chin [Tomhina Research Europe Limited], Andreas Maniatakos, Nikolaos Tziritas, Anasthasia Gkioulekas, [Univ. of Athens], Ooster Yaron [Interdisciplinary Institute for Broadband Technology]
6. A study of Energy Efficient Transparent Relay using Cooperative Strategy - Kausik Kim, Tao Chen [VTT Technical Research Centre of Finland]

13.30 – 15.00: Panel Discussion Session
Topic: Energy Efficiency in Future Telecommunications: Technical Issues, Standardization Activities and Business Requirements
Panelists: Prof. Raffaello Dime [CNR] – representing the EU FP7 ECNEN project
Panelist 2: Dr. Nancy Alonort [Univ. Athens] – representing the EU FP7 CONSERN project
Panelist 3: Dr. Ivan Geler [Ericsson, Budapest] – representing the EU FP7 EARTH project
Panelist 4: Dr. Aymen Radwan [Instituto de Telecomunicaciones] – representing the EU FP7 C2POWER project

15.00 – 15.15: Afternoon Tea/Coffee break

15.15 – 16.45: Technical paper presentations
8. An Efficient Game Common Operator for ST and Linear Algorithms - Melik Inanc, Dominique Noguez, [Cea-leti]; Yves Leuthe [Supélec], Adel Ghalib [Supélec], Khadid Drais [CiteSCom Laboratory]

16.45 – 17.00: Closing Speech – Workshop Chair

Figure 1-9: C2POWER workshop technical program.
1.3.8 Second Green Wireless Communications and Networks Workshop (GreeNet)

CONSERN participated in the 2nd Green Wireless Communications and Networks Workshop (GreeNet) (http://www.ieeevtc.org/vtc2011spring/workshops.php#GreeNet) co-located with IEEE VTC conference, held in 15 May 2011, in Budapest. CONSERN submitted a technical paper at the workshop which was accepted (as presented in Table 1-2) and presented a related poster.
1.3.9 1st International ICST Conference on E-Energy

OTE as CONSERN partner participated in the 1st International ICST Conference on E-Energy (http://energyware.org/) held in October 14-15, 2010, in Athens, Greece. The conference organized by ICST and supported by the National technical University of Athens (NTUA). OTE made an oral presentation of several e-Energy aspects, some of which were relevant to the CONSERN context.
1.3.10 OTE’s Corporate Workshop for R&D Updated Activities

CONSERN’s scope and progress was presented in OTE’s Corporate Workshop for R&D Updated Activities held in Athens, Greece, in December 16th, 2010.

Figure 1-12: CONSERN in OTE’s Corporate Workshop.

1.3.11 Info Day: EU Projects

CONSERN’s scope was presented also during Info Day: EU Projects (http://www.hsia.gr/mi-cluster-board/180-hsia-info-day3a-eu-projects2c-february-242c-2011-2f-athens2c-greece), organized by the Hellenic Semiconductor Industry Association (HSIA), Athens, Greece, in February 24, 2011.
Info Day: EU projects
24th February 2011

Agenda:

09:30  Welcome
09:45  Introduction to FP7 - D. Soudris NTUA

OTE Research:
- "Wireless Hybrid EMR Estimators" - G. Agapiou
- Self-FFT, L. Chatziioannou
- CONSERN, I. Chatziioannou

10:20  TEO of Athens, Department of Electronics,
      REWIND, K. Voudouris

10:30  Intracom Telecom:
      - SATURN, D. Kirthanidis
      - MNEMOS, D. Kirthanidis
      - ENOSYS, D. Kirthanidis
      - END, D. Kirthanidis

10:35  Coffee Break

10:35  Intracom Telecom & NTUA:
      - MOSART, D. Kirthanidis and D. Soudris

11:10  NTUA:
      - 2PARMA, D. Soudris

11:45  Q&A
      - "Insights from EU projects" - G. Diamantou

11:45  Q&A

12:00  End of workshop

Figure 1-13: INFO Day: EU Projects, Brochure.
1.4 Future Internet Assembly, FIA Budapest

OTE participated in the Future Internet Assembly (FIA) in Budapest in May 18-10, Budapest, and presented Background information for the scope of the CONSERN Project as part of the presentation “Challenges for Enhanced Network Self-Manageability in the Scope of Future Internet’s Development” in the context of Lecture Presentation in the scope of the FIA Book Session.
1.5 Contributions to standardisation activities

CONSERN standardisation plans, activities and contributions are presented in details in the CONSERN Deliverable D1.2. This section provides a brief presentation of CONSERN contributions in the standardisation field.

1.5.1 ETSI RRS

The CONSERN consortium has repeated inform ETSI RRS about the working direction of the project and about the intentions of the project to actively contribute to the work. CONSERN has presented project overview and approach (Figure 1-16); moreover CONSERN is continually presenting project’s progress in the TC RRS during the plenary meetings of the committee. CONSERN has presented initial proposals related to the set-up of a Energy Efficiency related Working Item; in this context CONSERN has interacted with C2POWER and EARTH projects; however, it finally turned out that the provision of corresponding requirements to “System Requirements” documents may be more suitable. During the ETSI RRS Meeting in May 2011, the NWI “Radio Reconfiguration related Requirements for Mobile Devices” for example specifically addresses such requirements to be within its scope from the mobile device perspective (as contributed by CONSERN partners).

![Figure 1-16: CONSERN proposal for Energy Efficiency working item within ETSI TC RRS.](image)

1.5.2 IEEE P802.11

IEEE 802.11 discussed the request for a new group at working group level (1900.7 PAR; Scope: This standard specifies a radio interface including medium access control (MAC) sublayer and physical (PHY) layer of white space dynamic spectrum access radio systems supporting fixed, nomadic, and mobile operation in frequency bands, such as TV bands, public safety bands, and wireless medical telemetry bands, subject to compliance to national and international radio regulations in these frequency bands.) The unique identity is not seen from the PAR and overlap (with 802.11) should be avoided even though there is no formal way of requiring this. Information was given that NesCom resend the PAR and will work with 1900.7 on a new revision to be reconsidered in March 2011.
To apply the self-growing paradigm to devices having a broad market segment, CONSERN aims at introducing its concepts to relevant 802.11 task groups. A rapid link establishment between devices facilitates the dynamic assessment of networks regarding their self-growing capability. Hence, selected self-growing use cases were presented as an individual contribution of the CONSERN participant Fraunhofer to 802.11 TGai and proposed for inclusion in the official TGai use case reference list. Technical discussions with key industry partners involved in TGai showed that the fast (initial) link set-up mechanisms in scope of TGai can be considered as one enabler for applying self-growing to 802.11 devices. As a result, IEEE 802.11 TGai decided to accept “self growing” as one top-level use case hierarchy and to include selected CONSERN use cases in their official working documentation.

**Figure 1-17: CONSERN Self-growing Use Cases in IEEE P802.11.**

### 1.6 CONSERN Website and Project Management Platform

The CONSERN project web site [http://www.ict-consern.eu](http://www.ict-consern.eu) (Figure 1-18) has been launched in October 2010 supporting the project operation in a two-fold manner. It contains a public part that is accessible to all internet users and provides the external community with the current information on the progress of the project, and a private part dedicated to the CONSERN consortium partners, which is only accessible using specific credentials. The registered domain [http://www.ict-consern.eu](http://www.ict-consern.eu) serves thus as the single contact point for the on-line presence of the project.

The goal of the public part of the web site is to foster project awareness by presenting CONSERN’s technical concept, scope and objectives, the approach to be followed, as well as the work
breakdown among the work packages. The public part is continuously updated with publications (public deliverables, magazines articles, conferences/workshops papers etc.) (Figure 1-20) achieved by the project consortium, thus ensuring that CONSERN’s results are timely and widely disseminated in an attempt to promote the adoption of the project’s technical concepts. The site’s updates are also captured in a separate news section to facilitate easier follow-up by the interested readers. The public part features also the necessary contact information for the consortium as a whole.

Figure 1-18: CONSERN web site - Home page (http://www.ict-consern.eu)
Figure 1-19: CONSERN web site – Publications folder.
The private part of the web site serves as the project management and collaboration platform and working and final versions of project documents repository (Figure 1-21).
Figure 1-21: CONSERN web site – Reviewers Section.

Overall, the web site is being monitored on a weekly basis regarding any external references pointing to it, while all interactions are SSL-secured to ensure the consortium’s confidentiality.
2. References

[1] J. E. Hirsch “An index to quantify an individual’s scientific research output”
http://www.pnas.org/cgi/reprint/102/46/16569

Measure Journal Impact in Economics & Business?”,
http://www.harzing.com/publications.html#/papers.htm

[3] Lokman I. Meho, Kiduk Yang, “Impact of Data Sources on Citation Counts and Rankings of LIS
Faculty: Web of Science vs. Scopus and Google Scholar”,
http://www.slis.indiana.edu/faculty/meho/meho-yang-03.pdf

