The newly constituted SAG meeting, chaired by ICN CEO David Benton, was held in Geneva at the ICN offices. In addition to the ICN eHealth team, SAG members are Anne Casey, Royal College of Nursing of the UK; Antoine Geissbuhler, Geneva University; Pirkko Kouri, Savonia University of Applied Sciences; S. Yunkap Kwankam, Global eHealth Consultants; Olivier Raynaud, World Economic Forum; and Grace T. M. Dal Sasso, Federal University of Santa Catarina. The discussions considered the present state of the programme, including ICNP maintenance, application, quality improvement; the Telenursing Network; partnerships, collaborations and use of C-Space.

There was a strong emphasis on ICN assertively advancing the desired outcomes and objectives of the new programme in order to transform nursing through the visionary application of information and communication technology. Other exciting topics included strengthening the relationship of ICNP to evidence-based practice guidelines, recognising the influence of technology on international standards, including citizens in ICNP development and eHealth projects, building a common knowledge base for nursing, leveraging the ICN Accredited Centres’ work for international dissemination, strengthening partnerships and collaborations, and integrating education, clinical practice and research for best practices. Members encouraged ICN, saying ‘don’t be meek,’ ‘imagine the possibilities,’ and ‘remember the reality.’

The meeting provided an excellent beginning to the new ICN eHealth programme, bringing new ideas and enthusiasm for moving forward. The new ICN eHealth programme represents a new ambitious phase. The ICN eHealth SAG will meet again in 2012.

**ICN Desired Outcomes**

1. support eHealth practice through state of the art technologies;
2. be recognised as an authority on eHealth through advocacy and support of ICN member bodies and through the promotion of eHealth practice and policy;
3. be positioned centrally in the eHealth community with ICN using optimal business practices for collaboration with internal and external eHealth stakeholders.
ICN ACCREDITED CENTRES FOR ICNP® RESEARCH & DEVELOPMENT

Each year we ask the ICNP Centres to provide a short report on their activities, provided below. This is additional to their biennial reports to the Consortium meeting at ICN Conferences and Congresses and to their 3-year self-study for re-accreditation. Along with supporting and encouraging each Centre, ICN is interested in promoting collaboration among the Centres, especially for the development of products that can be disseminated and used internationally to advance the application of ICNP.

www.icn.ch/pillarsprograms/icn-accredited-centres-for-icnpr-research-a-development/

RESEARCH CENTRE FOR NURSING AND MIDWIFERY PRACTICE (RCNMP) ICN-ACCREDITED CENTRE OF THE AUSTRALIAN CAPITAL TERRITORY GOVERNMENT (ACT)

The Centre Director is Dr Professor Violeta Lopez; she is also the Director of the ACT Health Research Centre for Nursing and Midwifery Practice. The 2011 Accredited Centre’s key goals are to (1) develop the evidence base for ICNP; (2) educate and promote ICNP through research and policy development; (3) understand the ICNP framework; (4) facilitate research; and (5) collaborate with ICN and the other Centres. We welcome the new Centre and look forward to a productive collaboration.

The interim report from Dr Lopez noted the following. The Centre was successful in changing the language used for “pressure ulcer” to “pressure injury” which was adopted nationally and internationally. The adoption of “pressure injury” terminology was presented at conferences in Las Vegas USA, Manila Philippines, and Hong Kong. The Pan Pacific Clinical Practice Guidelines for the Prevention and Management of Pressure Injuries were launched in October in Canberra, Australia. The Centre conducted its annual Pressure Injury Prevalence Survey during Wound Week in March and simultaneous lectures were provided across ACT to physicians and nurses on the prevention and management of pressure injuries. In collaboration with the Joanna Briggs Institute, the Centre audited the prevention and management of skin tears in acute aged care and rehabilitation facilities in Canberra.

www.icn.ch/pillarsprograms/rcnmp-icn-accredited-centre-for-icnpr-research-and-development/

GERMAN-SPEAKING USER GROUP ICNP CENTRE

The ICN members German Nurses Association, Austrian Nurses Association and Swiss Nurses Association have managed the Centre since 2004. In April 2011, the Centre’s expert group (nurse managers, researchers, informatics and clinical experts) delivered the translation of the 2011 release of ICNP. Members of the expert group attended the ICN Conference in Malta (May 2011) and made a presentation at the Consortium meeting. In December 2011, the German-speaking nurses associations released a mutually agreed statement recognising ICNP as the leading terminology for nursing. Other expert groups are still discussing use of International Classification of Functioning (ICF) within the nursing process. The ICNP Centre initiated an expert meeting in March 2011 to discuss ICF in nursing in general and possibilities of linkages between ICF and ICNP. This work is still in progress. In Austria and in Germany experts of the Centre contacted several institutions at the ministry level. In Austria it is planned to develop a common mandatory terminology in nursing. ICNP is one option to fulfill the challenge. In Germany the situation is more complex but in the realm of International Classification of Diseases (ICD) discussions it became obvious that medical diagnoses in acute care episodes have to be supported by nursing diagnoses. ICNP and its linkage to SNOMED-CT has been recognised (on an informal level) as a potential and fruitful option to advance the discussion forward. Vendors from Germany, Switzerland and Austria are still testing several aspects of ICNP for integration into their products. Development of catalogues is planned but these are not yet ready for public discussion.

www.icn.ch/pillarsprograms/german-speaking-icnpr-user-group/
CHILEAN CENTRE FOR ICNP RESEARCH & DEVELOPMENT
Since 2010, despite the 27 February 2010 earthquake, the Chilean Centre for ICNP Research and Development has continued to strive towards meeting its goals. Work is continuing on the Family Processes Catalogue, with validation at a community health care centre. In April 2010, following the earthquake, it was decided to re-evaluate what is considered to be a resilient family, using the instrument that had been used in previous studies. The results were presented in Coimbra Portugal in September 2011. The Chilean centre had the opportunity to share their ICNP model for resilient families at different universities to groups of nurse educators and provide workshops for practical application of the model. The institutions visited were the University of Santo Tomas School of Nursing, Temuco Chile; the School of Nursing at Catholic University of Maule, Talca Chile; and the Doctoral Course of the School of Nursing at the University of Alabama Birmingham USA. The Spanish translation of ICNP Version 2 was presented at the XI Ibero-American Nurse Education Conference and at the Third Europe - Latin America Meeting in Coimbra Portugal. This Spanish translation was a collaborative work including nurses from Chile and Mexico, with the leadership of nurses in Spain.
www.icn.ch/pillarsprograms/chilean-centre-for-icnpr-research-a-development/

CENTRE FOR ICNP RESEARCH AND DEVELOPMENT OF THE FEDERAL UNIVERSITY OF PARAIBA
The Post-Graduate Program in Nursing - Federal University of Paraiba (PPGENF-UFPB) ICNP R&D Centre, accredited by ICN in 2007, has as its goals ICNP development, dissemination and application in clinical practice environment. To promote ICNP development, the Centre has two main research projects: “Banks of terms of nursing language for specialty clinical areas and primary health care”, finished in February 2011; and “ICNP Catalogues for specialty clinical areas and primary health care”, still in progress. In addition, the dissemination of ICNP and its promotion in nursing education and clinical practice have been a major effort. Through the Centre, researchers and educators have published papers and book chapters, and attended nursing conferences. The Centre also supports Brazilian nurses in using ICNP as a reference terminology in nursing practice, education, research, and for management purposes. The Centre sustains regular collaboration with other institutions, organisations and groups. These include; Group of Studies and Research in Fundamentals of Nursing (UFPB); Group of Study and Research in Health Informatics (PUC of Parana); Group of Study and Research in Nursing in Palliative Care (Londrina-PR); Group of Systematisation of Nursing Practice in Collective Health (Curitiba-PR); Group of Study and Research in Nursing in Rehabilitation Care; Group of Study and Research in Systematisation of Nursing and Health Care (UFMG); Group for Systematisation of Nursing Care in Neonatology and Obstetrics (Belo Horizonte-MG); Group of Study and Research for Implementation of ICNP in an Indigenous Community (UFAM); and Subcommittee of Systematisation of Nursing Practice (Brazilian Nursing Association).
**CENTRE FOR ICNP RESEARCH AND DEVELOPMENT OF THE IRANIAN NURSING ORGANIZATION**

The Nursing Organization of Islamic Republic of Iran advances ICNP with translations, governmental support and university collaborations. A strategic committee for the Iran ICNP Centre was established, including six nurses who are faculty in academic settings and the High Council of the Iran Nurses Organization (INO). The Centre completed translation of ICNP Version 1 to Farsi (available on C-Space multilingual browser) and a translation agreement with ICN was signed for the translation of 2011 release of ICNP. A new website has been prepared for the introduction of ICNP in Iran ([www.ICNP.ir](http://www.ICNP.ir)). Articles and stories about ICNP have been published in the INO monthly journal to familiarise Iranian nurses with ICNP. The Centre was represented at the ICN Conference in Malta, with the Director making a presentation at the Consortium meeting. The Centre provided a report for the Health Minister about ICNP and received a reply from the policy council of the Ministry of Health about the importance of the application of ICNP in the health care system. The Centre is collaborating with the Iranian Presidential Office’s Committee for Electronic Health and Well-being, seeking to include ICNP in electronic health records. The Centre is also collaborating with the Academy of Persian Literature and Language about the continued work with translation to Farsi to ensure standardisation of translation. An announcement has been sent to all universities indicating the Centre’s willingness to support PhD and Master’s theses that include research about ICNP. ([www.icn.ch/pillarsprograms/centre-for-icnpr-research-and-development-of-the-iranian-nursing-organization/](http://www.icn.ch/pillarsprograms/centre-for-icnpr-research-and-development-of-the-iranian-nursing-organization/))

**UNIVERSITY OF MINNESOTA SCHOOL OF NURSING CENTRE FOR NURSING MINIMUM DATA SET KNOWLEDGE DISCOVERY CENTRE**

The Centre for Nursing Informatics reflects expanding informatics work that leverages ICNP for additional venues. Work continues with minimum data sets and knowledge discovery. ICNP projects are focused on minimum data sets and knowledge discovery. Terminology partnerships and data process modeling are added capabilities with the expertise of Karen Monsen and Tom Clancy. Specific ICNP accomplishments include (1) submission of the ICNP subset “Children with HIV/AIDS in Developing Countries” for review in C-Space; (2) manuscript revisions for “Creating an ICNP Subset: Children with HIV/AIDS in Developing Countries” submitted to Computers, Informatics, and Nursing; and (3) revision of the Nursing Management Minimum Data Set including normalisation with other national standards with revised elements and measures put into LOINC. In September 2011, I-Ching (Evita) Hou, a visiting scholar from Taiwan, formulated strategies for development of a national Nursing Minimum Data Set in Taiwan, which would be conceptually congruent with the iNMDs and would support the use of ICNP. The Centre also is in collaboration with Beverly Collins at Allina Health Systems to extract data from the electronic health records for Level II Special Care Nursery Babies in order to code and model nursing data in ICNP to represent nursing practice with these patients. This work resulted in identification of new concepts for addition to ICNP Release 2013. The Centre has advocated for nursing data in data warehouses. Recently, UMN received an NIH grant for $51M which includes building a data warehouse which will include nursing data for re-use in performance measurement and research. A presentation to the American Nurses Association addressed standardising nursing documentation in EHRs and establishing data warehouses for the collection of nursing data. ([www.icn.ch/pillarsprograms/university-of-minnesota-school-of-nursing-centre-for-nursing-minimum-data-set-knowledge-discovery/](http://www.icn.ch/pillarsprograms/university-of-minnesota-school-of-nursing-centre-for-nursing-minimum-data-set-knowledge-discovery/))

**FLINDERS UNIVERSITY RESEARCH PROGRAM FOR DISASTER NURSING CENTRE**

Much of the year was spent working on the disaster nursing terminology and glossary. This task has proven to be quite challenging because over 7000 terms related to disaster had to be identified and then determined as to whether the terms were appropriate and applicable for disaster nursing. The task at present is to finish identifying those terms that will be included in the disaster nursing glossary. Work on the development of the catalogue is underway, based on the four domains of the ICN Disaster Nursing Competencies...
Framework, the seven axes plus diagnoses and interventions of ICNP, and the newly developed disaster nursing glossary of terms. Centre Director Lidia Mayner was invited to Shandong University, Jinan China in December to discuss her work on the glossary and the ICNP Disaster Nursing catalogue. Kristine Gebbie, Chair of the Nursing Section of the World Association for Disaster and Emergency Medicine (WADEM) joined Flinders University in February 2011. She and Paul Arbon have discussed disaster nursing issues of mutual interest between WADEM and ICN through the past year. In addition to a presentation to the Consortium at Malta, presentations about disaster nursing were made in 2011 at the Fifth Pan-Pacific Nursing Conference and the Seventh Nursing Symposium on Cancer Care, Hong Kong; and as an invited paper at the ICN Conference Malta. In addition, a paper has been accepted for the Australasian Emergency Nursing Journal. Visitors to the Flinders University Centre included Ibby Tanner from Johns Hopkins University, Maryland USA and Amy Zang from Shandong University Jinan China.

ICN-ACREDITED CENTRE FOR INFORMATION SYSTEMS RESEARCH AND DEVELOPMENT OF THE PORTO NURSING SCHOOL

The Centre for Information Systems Research and Development has been working according to its first year plan as an ICN-Accredited Centre. Regarding the goal of developing nursing information systems using ICNP as part of an integrated EHR to improve the quality and continuity of patient care, the project described the nursing information system in use for nursing practice and defined the main components in nursing documentation. The Centre is starting to define the framework for nursing documentation to be incorporated in the EHR. Toward the goal of using e-learning as a resource for the dissemination and use of ICNP, they described the model of nursing practice in use, identified the main components of nursing documentation, and defined a valid framework for nursing action in self-management of patients with chronic obstructive pulmonary disease. The technical resources necessary for providing e-learning content have been defined. For the Centre’s third goal of developing subsets using ICNP for improvement of nursing care quality, the Centre researchers and educators are developing frameworks based on the core areas of nursing (already completed in long-term care nursing). The implementation of ICNP in nursing practice is reflected in incorporation of ICNP as the terminology in nursing documentation and has now been established in collaborative long-term care nursing facilities. The first students in the “Nursing Information Systems Master’s Degree Programme” have now progressed to the dissertation stage, and the school expects to have the first thesis completed in 2012. Finally, the Centre is in the process of establishing, with Ordem dos Enfermeiros, the framework for the translation and validation of the ICNP Release 2011 to Portuguese.

EHEALTH PROGRAMME ACTIVITIES

ICN & CANADIAN NURSES ASSOCIATION (CNA)

A recent joint press release between ICN and the Canadian Nurses Association (CNA) announced the publication of the catalogue, Nursing Sensitive Outcomes. The catalogue represents work completed through mapping the Canadian Health Outcomes for Better Information and Care (C-HOBIC) outcomes with ICNP. The catalogue is available from the ICN eShop and a dataset is downloadable at ICNP C-Space. The CNA has advanced a motion forwarded to Infoway Standards Collaborative to approve C-HOBIC as a Canadian national standard for the electronic health record.
ICN: IHTSDO – ICNP AND SNOMED CT MAPPING
Mapping ICNP to SNOMED-CT is underway as a component of the ICN harmonisation Agreement with International Health Terminology Standards Development Organisation (IHTSDO). The ICNP team is also working with the US National Library of Medicine to improve the mapping of ICNP to SNOMED-CT in the Unified Medical Language System (UMLS). If you are an expert in ICNP or SNOMED-CT and would like to participate in validation of the mapping, please contact Amy Amherdt at aamherdt@uwm.edu.

ICN: WHO-FIC
Claudia Bartz, Coordinator of the ICN eHealth Programme, attended the WHO-FIC conference in Cape Town South Africa in October. She worked with the Family Development Committee and made a presentation “ICNP Nursing Interventions” to this committee. The ICN eHealth team also presented a poster at the conference, “ICNP Catalogues: Advantages & Challenges of Using Terminology Subsets.”

RECENT CONFERENCE PRESENTATIONS

AMIA Washington DC October 2011: Tae Youn Kim made a presentation “Representation of Nursing Terminologies in UMLS”. Nick Hardiker made a presentation “A Dynamic Classification Approach for Nursing”. Both papers were nominated for the prestigious Harriet H Werley Award for papers with a nurse as first author that are judged to make the greatest contribution to advancing the field of nursing informatics.

RECENT EHEALTH TEAM PUBLICATIONS

ICN WEBSITE
The ICN website has been completely renewed in the past 18 months. This work, plus the inauguration of the ICN eHealth Programme in May 2011, means that information on the website for ICNP and Telenursing also have changed. eHealth is a link under “Professional Practice” under ‘Pillars and Programmes,’ on the ICN Home Page top blue bar. On the eHealth page, you will see ICNP, Telenursing Network, eHealth Bulletin, Contact Us, and links to four one-page information papers for eHealth, ICNP, Telenursing Network and C-Space. You are welcome to distribute these papers at appropriate venues.

The deeper pages are fairly self-explanatory but we note that the “ICNP Resources” pages include a link to the eHealth Bulletin, conference presentations, related ICN Fact Sheets, links to other organisations, related publications and a link to the ICN eshop. Tell us how we can make the ICN eHealth website more useful for you!
UPCOMING CONFERENCES

**HIMSS12** - Healthcare Information and Management Systems Society Annual Conference
Las Vegas, Nevada USA
20-24 February 2012
[www.himss.org/](http://www.himss.org/)

**Med e Tel 2012**
Luxembourg
18-20 April 2012
[www.medetel.eu/](http://www.medetel.eu/)

**5th Geneva Conference on Person-Centered Medicine**
Geneva, Switzerland
30 April-2 May 2012
[www.personcenteredmedicine.org/](http://www.personcenteredmedicine.org/)

**American Telemedicine Association**
San Jose, California, USA
29 April – 1 May 2012
[www.americantelemed.org/](http://www.americantelemed.org/)

**NI2012 - 11th International Nursing Informatics Congress**
Montreal, Canada
23-27 June 2012
[www.ni2012.org](http://www.ni2012.org)

**ICN 25th Quadrennial Congress**
Melbourne, Australia
18-23 May 2013
[www.icn.ch/](http://www.icn.ch/)

**Medinfo 2013 - 14th World Congress on Medical and Health Informatics**
Copenhagen Denmark
21-23 August 2013
[www.medinfo2013.dk/](http://www.medinfo2013.dk/)

**AMIA 2013 Annual Symposium**
Washington DC
16-20 November 2013
[www.amia.org/](http://www.amia.org/)
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We welcome any and all suggestions for the ICN eHealth Bulletin topics or content. Examples of submissions include conferences, professional presentations and publications, ICNP translations, and research or clinical applications and professional news and publications. We reserve the right to edit all content submitted. Be sure to provide a contact person's name and email address with any submission. For further information on ICN eHealth contact:
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