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Manfred Schrenk (Hg./Ed.)

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9. internationales Symposium zur Rolle der
Informationstechnologie in der Stadt- und Regionalplanung
sowie zu den
Wechselwirkungen zwischen realem und virtuellem Raum

9th international symposium on
info- & communication technologies in urban & spatial planning
and
impacts of ICT on physical space



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Manfred SCHRENK (Hg. / Ed.)

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GEO MULTIMEDIA 04

COMPUTERGESTÜTZTE RAUMPLANUNG

COMPUTER AIDED SPATIAL PLANNING

Beiträge zum 9. Symposium zur Rolle der
INFORMATIONSTECHNOLOGIE
in der
STADT – UND RAUMPLANUNG
sowie zu den
WECHSELWIRKUNGEN ZWISCHEN REALEM UND VIRTUELLEM RAUM

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INFO- & COMMUNICATION TECHNOLOGY
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INHALTSVERZEICHNIS / TABLE OF CONTENTS

VORWORT / PREFACE	5
.....	5
PLANNING IN THE INFORMATION AGE: OPPORTUNITIES AND CHALLENGES OF E-PLANNING	15
Milica BAJIC BRKOVIC	15
SMART COMMUNITIES: A CALIFORNIA MASTER-PLANNED COMMUNITY CASE STUDY.....	23
Richard STEPHENS	23
URBAN GALLERY, URBAN CURATION	27
Raoul BUNSCHOTEN	27
CAN PLANNING MEDIATE BETWEEN SUSTAINABLE COMMUNITIES AND DIGITAL DIVIDE?.....	31
Judith RYSER	31
KNOWLEDGE -BASED URBAN AND REGIONAL DEVELOPMENT IN THE ICT AGE - THE RICH AND THE LATECOMERS	39
Paul DREWE	39
HIGH TECH AND HIGH TOUCH IN CHINESE SETTLEMENTS – COMMUNICATION AND SUSTAINABILITY IN THE EU-PROJECT SUCCESS.....	45
Heidi DUMREICHER & Bettina KOLB	45
THE IMPACT OF NEW TECHNOLOGIES ON REGIONAL AND URBAN DEVELOPMENT	55
José María YAGÜE MATA.....	55
CITY DOCUMENTATION: CREATION AND VISUALIZATION OF HIGH RESOLUTION PANORAMIC IMAGE MOSAICS	59
Mario SORMANN & Gerald SCHRÖCKER & Andreas KLAUS & Konrad KARNER.....	59
CONSTRUCTION SUPPLY CHAIN MANAGEMENT AND COORDINATED DESIGN DRAWINGS: AN OUTLOOK OF THE CONSTRUCTION INDUSTRY AND SUSTAINABLE URBAN PLANNING	67
Syahriah BACHOK & Sharifah Mazlina Syed KHUZZAN AL-HABSHI & Samsuddin JAAFAR & Hairizal BAHARUDIN	67
DIGITAL ATLAS OF LANDS AND HUMAN IMPACT ON THE ENVIRONMENT BY THE EXAMPLE OF NURATAU ...	85
Iskandar T. MUMINOV & Shukhrat Sh. ZAKRIOV	85
FREE SOFTWARE: THE OPEN (GIS) SOURCE SOLUTION FOR LOCAL GOVERNMENTS A CASE STUDY: PERSPECTIVES, EXPERIENCE AND POSSIBILITIES FOR THE CITY OF FRANKFURT (ODER).....	91
Till ADAMS & Michel GARAND	91
BUILDING SDIS WITH FREE SOFTWARE – THE DEEGREE PROJECT	97
Jens FITZKE & Klaus GREVE & Markus MÜLLER & Andreas POTH	97
NEW TECHNOLOGIES, RESEARCH AND MARGINAL RURAL REGIONS: THE STRATEGIC FORMULA PROMOTED BY ADIMMAC FOR THE LOCAL AGENDA 21 OF THE LA MANCHA ALTA CONQUENSE (SPAIN) .	105
Teresa FRANCHINI & Francisco J. MARTINEZ & Maria A. MARTIN & Maria J. LOZANO & Raul ROMERO	105
THE USE OF INFORMATION TECHNOLOGIES IN THE URBAN REDEVELOPMENT PROCESS IN THE CITY OF BALTIMORE, USA	111
Graciela CAVICCHIA	111
INTERNET BASED TOOL FOR ASSESSING REGIONAL LOCATION FACTORS.....	119
Christian LINDNER	119
COMMUNITY DESIGN OF A LIGHT-RAIL TRANSIT ORIENTED DEVELOPMENT USING CASEWISE VISUAL EVALUATION (CAVE)	123
Keiron BAILEY & Ted GROSSARDT	123
THE USE OF OPENGIS IN THE PUBLIC SECTOR BY THE EXAMPLE OF THE PUBLIC-PUBLIC-PARTNERSHIP - CITY OF MUNICH AND CHAMBER OF INDUSTRY AND COMMERCE FOR MUNICH AND UPPER BAVARIA	131
Andreas FRITZSCHE & Markus SPRING	131
VALUATION OF OPEN SOURCE FOR GOVERNMENTS	135
Gabor LASZLO	135
OPEN SOURCE AND FREE SOFTWARE: MORE THAN SAVING MONEY!	141
Athina TRAKAS & Arnulf B. CHRISTL.....	141
SUSTAINABILITY IN EUROPEAN UNION THROUGH THE FREE MARKET: THE EFFECTS ON THE PHYSIOGNOMY OF THE CITIES	147
Roido MITOULA.....	147

ENVIRONMENTAL MANAGEMENT INFORMATION SYSTEM - A TOOL FOR URBAN PLANNING IN DEVELOPING COUNTRIES	151
Bernd DECKER	151
CONTEMPORARY TECHNOLOGY-ENVIRONMENTAL PROTECTION-SUSTAINABLE DEVELOPMENT	157
Panagiotis Al.PATARGIAS	157
PEDESTRIAN NAVIGATION SYSTEM IN MIXED INDOOR/OUTDOOR ENVIRONMENT – THE NAVIO PROJECT ..	165
Georg GARTNER & Andrew FRANK & Günther RETSCHER	165
AUTOMATIC VEHICLE LOCATION SYSTEMS	173
Sotirios MILIONIS	173
PRESENTING A POTENTIAL BUS RAPID TRANSIT LINE WITH GIS, ANALYTICAL MODELS AND 3D VISUALIZATION	179
Xinhao WANG & Hexiang HUANG & Jun SHI.....	179
CIVIC NETWORKS OF THE SREM DISTRICT – OVERCOMING OR INDICATING THE DIGITAL DIVIDE?	185
Mirjana DEVETAKOVIC RADOJEVIC	185
VIRTUAL HEART OF CENTRAL EUROPE	193
Andrej FERKO & Jozef MARTINKA & Mario SORMANN & Konrad KARNER & Jiri ZARA & Sebastian KRIVOGRAD	193
GIS SUPPORTS URBAN PLANNING IN PRAGUE	201
Jiří ČTYROKÝ & Jana IROVÁ	201
PROMOTING SUSTAINABLE SPATIAL DEVELOPMENT BY ICT	207
Juha TALVITIE.....	207
IT MODELING EXPERIENCE IN URBAN AND REGIONAL DEVELOPMENT	213
Marija MARUNA & Vladimir MARUNA.....	213
ESTIMATIONS OF URBAN LAND USE BY FRACTAL AND CELLULAR AUTOMATA METHOD	219
Mehmet Ali YUZER.....	219
THE INFORMATION AND COMMUNICATION TECHNOLOGIES IMPACT IN URBAN PROCESS	227
John TSOUDEROS & Despina DIMELLI & Andreas DIMITRIADIS	227
THE VIRTUAL TRANSFER OR THE “RENAISSANCE” OF DRAMATURGY IN MULTIMEDIA	231
Harald KRÄMER.....	231
INTELLECTUAL SYSTEM OF THE COMPLEX ANALYSIS OF ECONOMIC DYNAMICS ON TIME SERIES	237
A.M ABBASOV. & R.H GULMAMMADOV.....	237
THE ROLE OF TELECOMMUNICATIONS IN SHAPING THE URBAN LANDSCAPE	251
Olivier LEFEBVRE	251
GREEK BIO-CLIMATIC DESIGN AND THE SUSTAINABLE DEVELOPMENT	255
Joseph STEFANOUE & Michalis SIAKAVELLAS & Roido MITOULA	255
DESIGNING A WEB-BASED PUBLIC PARTICIPATORY DECISION SUPPORT SYSTEM: THE PROBLEM OF WIND FARMS LOCATION	265
Ana SIMÃO & Paul DENSHAM	265
STANDARDS OF VISUALIZING HISTORIC URBAN SITES ON THE WEB	275
Mohamed USAMA & Naoji MATSUMOTO	275
EVALUATION OF VISUAL ATTRIBUTES IN URBAN PARKS USING CONJOINT ANALYSIS	285
Isabella MAMBRETTI & Eckart LANGE & Willy A. SCHMID	285
R.O.S.I. (REAL TIME ORIENTATION SUPER INTERACTIVE) THE NEW DIMENSION OF TOURISM INFORMATION	291
Oliver IRSCHITZ.....	291
THE ISSUES OF SYSTEM AND DATA INTEROPERABILITY FOR A EUROPEAN TOURIST INFORMATION SYSTEM	297
Susanne STEINER & Barbara HOFER & Florian TWAROCH	297
TEXTURE MANAGEMENT FOR HIGH-QUALITY CITY WALK-THROUGHS	305
Gerd HESINA & Stefan MAIERHOFER & Robert F. TOBLER	305
INTREST + EUROMAP: INTERMODAL DIGITAL NETWORK MODELS FOR EUROPE	309
Thomas HAUPT & Michael ORTGIESE & Karsten M ^C FARLAND	309
DOES THE GROWTH OF URBAN SETTLEMENTS FOLLOW A CERTAIN PATTERN? – ANSWERS GIVEN BY LONG-TERM MONITORING OF EUROPEAN CITY REGIONS	317
Gotthard MEINEL & Michael WINKLER	317

SOCIO-CULTURAL CONTRADICTIONS IN THE ARAB/ISLAMIC BUILD ENVIRONMENT AN EMPIRICAL STUDY OF ARRIYADH, SAUDIA ARABIA.....	325
Abdulhakeem A. AL-HOKAIL.....	325
MONITORING THE DEVELOPMENT OF INFORMAL SETTLEMENTS IN ULAANBAATAR, MONGOLIA.....	333
Gankhuyag RADNAABAZAR & Monika KUFFER & Paul HOFSTEE	333
LOW COST HIGH QUALITY 3D VIRTUAL CITY MODELS.....	343
Milan FTÁČNIK & Peter BOROVSÝ & Martin SAMUELČÍK	343
DESIGN OF A 3D VIRTUAL GEOGRAPHIC INTERFACE FOR ACCESS TO GEOINFORMATIN IN REAL TIME	351
Lars BODUM.....	351
CYBERCITY MODELER, GENERATION, UPDATING AND CONTINUATION OF 3D-CITY MODELS WITH ON-LINE-EDITING – VISUALIZATION WITH TERRAINVIEW 2.0	359
Franz STEIDLER & Michael BECK	359
3D-VISUALISATION OF VIENNA'S SUBSURFACE	367
Sebastian PFLEIDERER & Thomas HOFMANN.....	367
DEVELOPING ICT TOOLS FOR PUBLIC PARTICIPATION IN PUBLIC SPACES IMPROVEMENT PROCESS - PUBLIC ART & PUBLIC SPACE (PAPS) BELGRADE PILOT PROJECT RESULTS -.....	373
Zoran DJUKANOVIC & Jelena ZIVKOVIC & Coauthor Ksenija LALOVIC	373
DEVELOPMENT OF GIS IN URBAN PLANNING AGENCIES IN SERBIA – EXPERIENCES OF TOWN PLANNING INSTITUTE OF BELGRADE.....	379
Ksenija LALOVIC	379
BUILDING THE ICT FUNDAMENT FOR LOCAL E-GOVERNMENT IN SERBIA - MUNICIPALITY OF LOZNICA EXAMPLE.....	385
Ksenija LALOVIC & Zoran DJUKANOVIĆ & Coauthor Jelena ZIVKOVIC	385
THE DRIVING FORCES OF IT REGIONS - INNOVATION UND TECHNOLOGIE ALS MOTOREN DER REGIONALENTWICKLUNG - BEST PRACTISE IN OBERÖSTERREICH	393
Gabriela HINTERBERGER	393
VIENNA IT ENTERPRISES „DAS INNOVATIVE IT_NETZWERK“.....	399
Bernhard SCHMID & Heinrich WEBER	399
GENDER ALP! QUALITÄTSSICHERUNG IN DER RAUMPLANUNG: METHODEN UND UMSETZUNG VON BEDARFS- UND GESCHLECHTERGERECHTER PLANUNG IM ALPENRAUM	403
Christine ITZLINGER, Romana ROTSCHOPF, Heidrun WANKIEWICZ.....	403
DOKUMENTATION EISENSTRASSE – EINE REGION IST AUF SCHATZSUCHE. WWW.EISENSTRASSE.INFO INTERNETPORTAL & DOKUMENTATION BRINGEN DEN KULTURPARK EISENSTRASSE-ÖTSCHERLAND ZUM BLÜHEN	407
Heidemarie THONHOFER & Manfred SCHRENK	407
WEBBASIERTER VERNETZUNG: INSTRUMENT EINER INTEGRIERTEN REGIONALENTWICKLUNG	413
Stefan GÄRTNER & Judith TERSTRIEP.....	413
REGIONALPLANUNG IM INTERNET – BUNDESWEITE STATUS-QUO-ANALYSE UND EMPFEHLUNGEN FÜR DIE ÖFFENTLICHKEITSARBEIT UND BETEILIGUNG	421
Tanja FRAHM & Holger GNEST.....	421
REGIONALE UND KOMMUNALE INTERNETPORTALE – EIN INSTRUMENT DER REGIONALEN ENTWICKLUNG UND ZUSAMMENARBEIT?	429
Matthias KOCH	429
DIE NÖ BREITBANDINITIATIVE – NIEDERÖSTERREICHS WEG IN DIE INFORMATIONSGESELLSCHAFT.....	437
Christoph WESTHAUSER	437
INTEGRATION VON GEO- UND CONTENT-ORIENTIERTEN WEB-DIENSTEN: EINE OGC-KONFORME LÖSUNG AUF BASIS DER OPENSOURCE SOFTWARE DES GIS-PROJEKTS DEGREE UND DER COREMEDIA© SMART CONTENT TECHNOLOGY.....	443
Joachim W. SCHMIDT & Kai-Uwe KRAUSE & Olaf BAUER & Niels HOFFMANN & Rainer MARRONE	443
INTERAKTIVE BILDSCHIRMKARTEN: INSTRUMENT DES WISSENSMANAGEMENTS ALS GRUNDLAGE FÜR PLANUNGSPROZESSE (AM BEISPIEL DES NATIONALPARKS BERCHTESGADEN)	449
Sabine HENNIG.....	449
WORKING ARCHITECTURE	457
Gregor HARTWEGER	457

E-GOVERNMENT IN DER STRAßENVERWALTUNG. BEHÖRDENINTEGRATION SCHAFFT HOCHWERTIGE DATEN UND PLANUNGSGRUNDLAGEN IM VERKEHRSBEREICH.	463
Stefan KOLLARITS & Irmgard MANDL-MAIR	463
NETZWERK GEOINFORMATION TIROL REGIONALE VERFÜGBARKEIT ÖFFENTLICHER GEODATEN IN EINEM DATA WAREHOUSE	471
Manfred RIEDL & Hannes NIEDERTSCHEIDER	471
LOKALE GEODATENINFRASTRUKTUREN: POTENTIALE UND AUSWIRKUNGEN AM BEISPIEL BRANDENBURGS	475
Petra KÖHLER & Joachim WÄCHTER	475
INTERAKTIVE LANDSCHAFTSPANUNG IN KÖNIGSLUTTER AM ELM	483
Roland HACHMANN	483
STADTQUARTIERE IM INFORMATIONSZEITALTER – ERFOLGSFAKTOREN VON PROJEKTEN	489
Holger FLOETING	489
STADTTECHNOPOLE_KAISERSLAUTERN: IUK ALS MOTOR DER STADTENTWICKLUNG.	497
Gerhard STEINEBACH & Christine DAU & Verena LEIS-MAYER	497
VIENNA-SPIRIT – INTERMODALE REISEINFORMATION ALS BEITRAG ZU EINER NACHHALTIGEREN STÄDTISCHEN UND REGIONALEN VERKEHRSENTWICKLUNG	503
Stefan BRUNTSCH & Birgit LÖCKE & Günther NIEDOBA & Karl REHRL & Günther STRAUS & Andrea STÜTZ	503
OPENSOURCE FÜR GEODATENINFRASTRUKTUREN – EINE ECHTE ALTERNATIVE?	511
Martin MAY & Stephan MERTEN & Johannes BRAUNER	511
OPEN SOURCE ALS APPLIKATION: CONTENT-MANAGEMENT-SYSTEME IN KOMMUNAL- UND REGIONALPORTALEN.....	519
Matthias Koch	519
DIENTE-BASIERTE AUFBEREITUNG VON GELÄNDEMOTELLEN FÜR DIE 3D-GEOVISUALISIERUNG	527
Martin MAY & Torsten HEINEN	527
STECKT DER TEUFEL IM DETAIL? EIGNUNG UNTERSCHIEDLICHER DETAILGRADE VON 3D-LANDSCHAFTSVISUALISIERUNG FÜR BÜRGERBETEILIGUNG UND ENTSCHEIDUNGSUNTERSTÜTZUNG	535
Philipp PAAR & Olaf SCHROTH & Ulrike WISSEN & Eckart LANGE & Willy A. SCHMID	535
EINE STADT WIRD DREIDIMENSIONAL: 3D STADTMOTEL BAMBERG.....	543
Tony POESCH & Ralph SCHILDWÄCHTER & Peter ZEILE	543
VON EINER ÖSTERREICHGLIEDERUNG NACH GEMEINDEN ZU PLANQUADRATEN: STATISTIK AUSTRIA ERWEITERT SEIN REGIONALSTATISTISCHES ANGEBOT.....	549
Ingrid KAMINGER & Erich WONKA	549
ADRESSGEOKODIERUNG BEI DER ÖSTERREICHISCHEN POST AG	555
Karel MAURIC	555
ASTER-HÖHENDATEN IM NATIONALEN UND INTERNATIONALEN VERGLEICH	559
Peter DREXEL & Josef GSPURNING	559
PLANUNG DES ÖFFENTLICHEN RAUMES - DER EINSATZ VON NEUEN MEDIEN UND 3D VISUALISIERUNGEN AM BEISPIEL DES ENTWICKLUNGSGEBIETES ZÜRICH-LEUTSCHENBACH.....	569
Peter PETSCHKE & Eckart LANGE	569
ÜBERTRAGUNG VON GEOMETRIE UND SEMANTIK AUS IFC-GEBÄUDEMOTELLEN IN 3D-STADTMOTELLE .	573
Joachim BENNER & Klaus LEINEMANN & Arnold LUDWIG	573
BENUTZERSCHNITTSTELLEN IN DER MULTIMEDIALEN 3D KARTOGRAFIE – EINE GEGENÜBERSTELLUNG .	579
Markus JOBST.....	579
EFFIZIENTE ERZEUGUNG VON 3D STADTMOTELLEN AUS VORHANDENEN VERMESSUNGSDATEN	585
Johannes HOLZER & Gerald FORKERT	585
GIS-EINSATZ IM RAHMEN EINES MONITORINGS BERGBAUBEDINGTER UMWELTEINWIRKUNGEN	591
R. ROOSMAN* & S. NICKEL & W. BUSCH & J. GORCZYK & F. MAUERSBERGER & P. VOSEN	591
DARSTELLUNG VON ZEITREIHEN RÄUMLICHER DATEN MITTELS WEBMAPPING.....	599
Andreas HOCEVAR & Daniela LUNAK & Leopold RIEDL	599
NEUE PERSPEKTIVEN IN DER FOTOGAMMETRIE DURCH EINE INNOVATIVE GROßFORMATIGE DIGITALE LUFTBILDKAMERA	607
Rainer KALLIANY & Gerhard PFAHLER & Harald MEIXNER	607

DER EINSATZ VON LASERSCANNING UND PHOTOGRAMMETRIE ZUR DOKUMENTATION DES URBANEN STRAßENRAUMES	613
Gerald FORKERT	613
ONLINE PRÜFFPROGRAMM FÜR GEODATEN: ABC-GEODATA.COM	621
Axel AXMANN.....	621
LASERSCANNING IN DER RAUMPLANUNG	625
Heinz BUSCH & Jürg LÜTHY	625
DAS SYSTEMKONZEPT ZUM VERKEHRSDATENVERBUND WIEN IM RAHMEN DES WIENER VERKEHRSMANAGEMENTS	633
Rainer HASELBERGER	633
GABIS – GEMEINDESTRASSENANALYSE UND BEWERTUNG IM GIS DEMONSTRATION DER MACHBARKEIT EINER GIS-BASIERTEN BEWERTUNG DER GEMEINDESTRASSEN IN DEN FÜNF TESTGEMEINDEN HOLLENEGG, SCHWANBERG, SEMRIACH, STANZ IM MÜRZTAL UND WAGNA	641
Reinhold DEUSSNER.....	641
KONSENS DURCH KOMMUNIKATION CHANCEN UND STRATEGIEN FÜR NACHHALTIGE LÖSUNGEN BEI VERÄNDERUNGSPROZESSEN IN DER STADT- UND REGIONALENTWICKLUNG	647
Christiana TAGHIAN & Michael WIKLUND	647
GEOTALK: EINE RAUM-ZEIT-KOMMUNIKATIONSPLATTFORM	657
Gerhard NAVRATIL & Max HARNONCOURT	657
MODERATION INTERNETBASIERTER PLANUNGS- UND BETEILIGUNGSPROZESSE	665
Stefanie ROEDER & Oliver MÄRKER & Susanne MICHAELIS & Annika POPENBORG & Stefan René SALZ & Nils ZIERATH	665
DIE BERÜCKSICHTIGUNG DES LANDSCHAFTSBILDES BEI RAUMRELEVANTEN PLANUNGEN	673
Georg HAUGER.....	673
WINDPARKS: GIS-GESTÜTZTE PLANUNGSMETHODEN ZUR RÄUMLICHEN STEUERUNG	677
Gregori STANZER & Christian SPANRING	677
FUTURE LANDSCAPE(S) - MÖGLICHKEITSRÄUME ZWISCHEN POLARISIERUNG UND BALANCE	683
Heinz DÖRR	683
DIE BEWERTUNG DER NACHHALTIGKEIT INNOVATIVER STÄDTEBAULICHER MAßNAHMEN MIT DEM SIMULATIONSMODELL MARS	689
Paul C. PFAFFENBICHLER & Günter EMBERGER	689
UNTERSUCHUNG DER SIEDLUNGSENTWICKLUNG IN RELATION ZU FLÄCHENVERBRAUCH UND HAUSHALTSENTWICKLUNG IM OBERÖSTERREICHISCHEN ZENTRALRAUM	695
Klaus STEINNOCHER & Günther KNÖTIG & Mario KÖSTL	695
GIS-BASIERTE INFORMATIONSTRUMENTE ZUR UNTERSTÜTZUNG EINER NACHHALTIGEN ENTWICKLUNG DER FLÄCHENNUTZUNG IN SIEDLUNGS- UND VERDICHTUNGSRÄUMEN	701
Johannes FLACKE	701
METHODEN RÄUMLICHER AGGLOMERATIONSRAUMABGRENZUNG IN EUROPA. ANSÄTZE UND PRAKTISCHE ERFahrungen AUS DEM EU-FORSCHUNGSPROJEKT COMET	707
Anita PÖCKL & Edgar HAGSPIEL	707
DIE ERWEITERUNG DES ÖFFENTLICHEN RAUMES IN VIRTUELLE WELTEN	715
Lev LEDIT	715
NEUE ROLLE DER VIRTUELLEN REALITÄT IN DER ARCHITEKTUR UND STADTPLANUNG	721
Frieder SCHUBERT.....	721
DIE VIRTUELLE DATENBANK: TECHNOLOGIE ZUR UNTERSTÜTZUNG IN DER REGIONALPLANUNG	729
Martin BRÄNDLI & Corina HÖPPNER.....	729
MÖGLICHKEITEN UND NUTZEN VON OBJEKTIVIERTEN UNTERGRUNDMODELLEN UND DEREN INTEGRATION IN RAUMBEZOGENE INFORMATIONSSYSTEME	737
Christian GAU & Joachim TIEDEMANN	737
KSI_{UNDERGROUND} – KOMMUNALE SERVICEPLATTFORM FÜR ABWASSER-INFRASTRUKTUREN	743
Robert STEIN.....	743
RÄUMLICHE DISAGGREGATION STATISTISCHER DATEN UNTER VERWENDUNG GEOGRAPHISCHER INFORMATIONSSYSTEME – ERSTE ERGEBNISSE	751
Hartmut SCHUSTER & Marcelo ZÁRATE & Tatjana KRIMLY & Sylvia HERRMANN	751

ERMITTLUNG DER POTENTIALE FÜR DIE AUSWEISUNG EINES BIOSPHÄRENRESERVATES IM NATURPARK SCHWARZWALD MITTE/NORD MIT GEOGRAPHISCHEN INFORMATIONSSYSTEMEN	757
Ulrike PRÖBSTL & Rainer LAMPL	757
GIS-GESTÜTZTE ANALYSE VON BERGGEBIETEN IN EUROPA	765
Alexandra HILL & Christian LINDNER & Carsten SCHÜRMAN	765
RISIKOMANAGEMENT FÜR IT-PROJEKTE	771
Oliver F. LEHMANN	771
PROJEKTDATEN FÜR ENTSCHEIDER – EFFEKTIVE NUTZUNG VON GEODATEN IM SYSTEM GEOHAUS	779
Otmar SCHUSTER & Olaf LUDWIG & Martina BUSCH	779
REGIONALE INNOVATION UND DAUERHAFTES ENTWICKLUNG IN EUROPA DAS BEISPIEL DER SPANISCHEN “CIUDADES DEL CONOCIMIENTO”	783
Laura Garcia Vitoria LOECHEL & André Jean-Marc LOECHEL	783
CONGO:DEUX EIN KONGOLESISCH-ÖSTERREICHISCHES GEMEINSCHAFTSPROJEKT SETZT AUF OPENSOURCE SOFTWARE IN DER SCHULBILDUNG.....	785
Frank TENDAY LUABA & Ingo LANTSCHNER	785
DAS VERKEHRSMODELL WIEN	791
Roman RIEDEL & Paul HOLZAPFEL	791
WORKSHOP: IT-SECURITY & SAFETY	795
Thomas HRDINKA	795
ANTIKER WOHNKOMFORT - MODERNE BEDÜRFNISSE EINE PROGRESSIVE ANALYSE ZWISCHEN ARCHITEKTUR DES ALTERTUMS UND ZEITGENÖSSISCHE RAUMPLANUNG	799
Zsolt VASAROS	799
WISSENS-KULTURLANDSCHAFTEN WIE NACHHALTIGKEIT DURCH KULTIVIEREN WISSENSBASIERTER WERTSCHÖPFUNGEN – ALLER NUTZUNGEN + KÖRNUNGEN ERREICHT WERDEN KANN.....	801
Jürgen PIETSCH	801
BENCHMARKING REGIONALER INNOVATIONS DATEN: DER NUTZEN FÜR DIE REGIONALE PLANUNG	803
Hansjörg BLÖCHLIGER	803
PRAXISBERICHT OPENSOURCE-SOFTWARE FÜR PROJEKTMANAGEMENT: WWW.PROJEKTSTRUKTURPLAN.NET.....	805
Dietmar SCHODER	805
KUALA LUMPUR TOWARD A SUSTAINABLE AND COMPETITIVE GLOBALIZING CITY-REGION: CAN MULTIMEDIA SUPER CORRIDOR (MSC) BE A DRIVING FORCE?	807
Hamzah JUSOH	807
I-CITY: INFORMATION AND COMMUNICATION TECHNOLOGIES FOR URBAN PLANNERS:.....	809
Matias ECHANOVE	809
FINDING THE “INSTITUTIONAL SPACE” FOR DEMOCRATIC E-GOVERNANCE: INFORMATION AND COMMUNITY TECHNOLOGY (ICT) AND AREA-BASED MANAGEMENT (ABM) IN DURBAN, SOUTH AFRICA.....	811
Nancy ODENDAAL	811
CITY AND INFORMATION TECHNOLOGY: THEORETICAL CHALLENGE	813
Tarik A. FATHY	813
SUSTAINABLE USE OF IT IN URBAN PLANNING	815
Wael Mohamed YOUSEF	815
THE INFLUENCE OF E-SUPPLY CHAIN IN THE TRANSFORMATION OF URBAN SPACE.....	817
M. VOYATZAKI	817
UNDERSTANDING AND MODELLING THE CHALLENGES OF INFORMATION TECHNOLOGY IN URBAN AND REGIONAL DEVELOPMENT	819
Hans Dieter KASPERIDUS	819
THE ROLE OF SPACE TECHNOLOGIES IN TERRITORIAL MANAGEMENT.....	821
Pedro MATOS	821
GIS SUPPORTS PLANNING AND THE PUBLIC PARTICIPATION PROCESS WITH PLANNING SUPPORT SYSTEMS.....	823
Milton OSPINA	823

Developing ICT Tools For Public Participation In Public Spaces Improvement Process - Public Art & Public Space (PAPS) Belgrade Pilot Project results -

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1 INTRODUCTION: PUBLIC ART, PUBLIC SPACE, PUBLIC PARTICIPATION

1.1 What is Public art?

Since concept of Public art has diverse meanings there is no simple definition of it. But one relation always exists: *Public art occupy Public space and therefore- public art is intended to be physically and freely accessible to the Public.* Other statements include: a) public art is or should be, site specific and relate to the context in which it is sited., b) Public art can be both permanent and temporary, internal and external and large or small scale c) public art can embrace all art forms and its parameters are continually expanding. Traditional definitions of Public art explore its meaning in relation with: art, urban design, landscape and social intervention. At the same time these thematic areas can be perceived as evaluation criteria for public art.

New IC technologies changed the concept of space and made *Virtual space become a Public space.* That certainly widens the possibilities in expressing public art in this new media. With a development of the new IC technologies and so many people using internet, virtual space becomes public space. It opened many possibilities for exploring non/classical forms of art and its communication with public. That includes not only telematic art and wide range of electronic possibilities in image manipulation, form generation, creation of virtual spaces... but also a possibility of space/independent interactive modeling of space and artworks from different participations.

Public art is widely understood to have many benefits to urban quality: a) in helping to improve the quality of an environment and as a vehicle for involving the community in environmental improvements, b) in helping to create a sense of identity, uniqueness, and civic pride, c) as a way of celebrating place, historical heritage or of highlighting particular characteristics which relate to a specific site.

Traditional concepts of public art imposed to public disappear. Public art today asks for active public participation in order to be accepted and appreciated.

1.2 Public art and Public participation

In countries with long public art tradition (ex. USA, GB,...Percent for Art program)- public art is founded and realized through Public art programs that are mostly organized by City government. Public participation is a crucial element of any Public art program. It can be achieved in a variety of ways - from lectures and workshops that encourage public awareness of the public art program – to the involvement of interested residents in the actual planning, design, installation and maintenance of public art projects.

In order to stimulate and encourage public awareness of public art, the Public Art Programs initiate, or collaborate with other agencies on events and activities designed to provide a greater understanding of public art. These may include: a) conferences, symposia, workshops, artist's lectures, community meetings and public art tours, b) cooperative programs with arts groups, educational institutions and community organizations, c) distribution of promotional and publicity materials, d) Information about the public art program and opportunities for artists and community participation available on a web site, e) Exhibitions of proposals, and related works by selected artists ...

The other way of public participation is direct involvement of community representatives into evaluation process of public art proposals for their community. Community representatives are appointed to serve on artist selection panels or Project Advisory Committees to ensure community input into the planning for each public art project.

When possible, the public art programs identify projects with the potential for involvement of community representatives in the planning, design and installation of public art projects. On occasion, public art program staff may also facilitate creative collaborations between project artists and organizations that represent community stakeholders and who have expressed their interest in a public art collaboration. These organizations might include, but not be limited to, community organizations, educational institutions, arts organizations and non-profit agencies.

But, unfortunately, nothing of this exists in Serbia 2003.

2 SERBIAN CONTEXT AS A FRAMEWORK FOR ACTION

2.1 Public art in public spaces of Belgrade and Serbia

Public space is not a common word in Serbia. Public art is even less. Political background of our public spaces may be the reason for it. In last 50 years money was spent only for functional necessity or for celebrating history. Therefore there are only few forms of

public art in Belgrade public spaces and they are very traditional in style: traditional monuments/ single sculptures, murals and some graffiti works that can be perceived as a public art. Only some main pedestrian streets were designed to have some aesthetic qualities. There were also some attempts to shape fountains in artistic way but unfortunately they were rare. Some ephemeral structures and temporary projects were realized from time to time but now we they exist only as memories.

Maintenance of public art is even worse problem. What was not obvious to most of citizens was left to die over time. Most of existing sculptures are demolished (though in recent years some are repaired), murals and fountains destroyed by non-maintenance.

Public awareness and public education on public art does not exist neither do the institutions that would promote it. There is no Public art program or strategy on National or Municipality level.

But there are some lovely public and semi-public spaces in Belgrade that waits to be rediscovered. There are some ordinary public spaces that can be improved. There are some historical and natural treasures that can be emphasized. There is a great potential for public art in Belgrade and Serbia. But people have to realize its importance for the quality of urban life and embrace it. *People have to participate in the process of making peoples places.*

2.2 Public participation in urban planning process in Serbia

Unfortunately, public participation in urban planning process in Serbia is in general on a very low level. Traditional ways of involving public in planning process are public presentations of strategic documents and urban and regional plans usually in final phases of their production. And the public response is very scarce and sporadic. It is higher on more detailed plans and lowers on strategic levels. This attitude can be observed as a consequence of our political and socio-economic past (and a slow process of urbanization (rural background of majority of population, lack of sense of belonging to a place...))

Therefore one of main efforts that has to be done in future will be to get stronger public awareness and participation in urban planning process and production of space. This cannot be overcome overnight. It is a process that goes along with political and economical changes in our society. People should be animated not only to participate in big, strategic plans that have low level of certainty to be realized. Modest, incremental strategy should be implemented: people should be able to see results of their participation as soon as possible to get more awareness and confidence that their participation is meaningful. *Small but visible public art projects that improve public spaces are good chance for it.*

2.3 Educational reform process in Serbia

One of the main national development strategies considers educational reform. It started on basic levels but will be continued on academic level as well. Serbia is one of the countries that signed Bologna declaration and is reforming its academic institutions according to general principles of B. Declaration: System of easily readable and comparable degrees, System essentially based on two main cycles, undergraduate and graduate, Establishment of a system of credits as a means of promoting student mobility, Promotion of European co-operation in quality assurance, Promotion of the necessary European dimensions in higher education, particularly with regards to curricular development, inter-institutional co-operation, mobility schemes and integrated programs of study, training and research.

In this sense strong divisions among faculties at the University of Belgrade and some integrated interdisciplinary programs will occur. Being interdisciplinary by definition - *public art is certainly one of the fields that should be explored through this way of collaborative institutional work.*

2.4 Social, economical and political context of Serbia as a framework for action

Uncertainty is the only certain thing in Serbian everyday life. Due to unstable political situation, poor national economy and numerous problems of transition (unemployment, insecurity, restructuring of institutions and economy...) it is unrealistic to expect big public funding in public art.

Though some temporary projects were supported in recent years, permanent projects will probably have to wait for better days. Meanwhile, something could and should be done to gain more public attention on the field that can inevitably improve quality of urban life. Instead of sitting and waiting for better days to come - Public art and Public space (PAPS) project was established with an aim to prepare basis for stronger integration of public art in civic realm by working on human potentials and knowledge in a context of educational, social and economical reform in Serbia. According to this its task is to *explore potentials for public art in public spaces of Belgrade and Serbia as well as to educate students, practitioners, institutions and public in the field of public art.*

3 PUBLIC ART & PUBLIC SPACE (PAPS) - International Multidisciplinary Project

3.1 Motive

Contemporary public art and urban design practice is most often fragmented between different professions using public only as the audience. However, there are new approaches and practices for designing cities that *consider various scales* (the planning scale, the infrastructure scale and the scale of the single project in public art and urban design) and *include different design professionals* (artists, architects, planners, urban designers, landscape architects...) *who collaborate during overall design process.* This, both old and new, public art and urban design approach is characterized by comprehensive and complex collaboration of different design disciplines which work together on equal basis on projects that aims to enhance the quality of urban environment.

Aiming to initiate this approach in Belgrade context we organized the workshop that took place in November 2002. Faculty of Architecture, University of Belgrade and New York City Percent for Art program organized it. Several eminent professionals from

New York, Philadelphia and Belgrade took part in it. One of the most important results of this workshop is the framework of Public art and Public design (PAPS) project.

3.2 Theme

PAPS project explores possibilities for redefinition of public spaces use and design. Therefore it promotes interdisciplinary work of different professions and their strong collaboration with the local community on different projects in the civic realm. Through active participation domestic and foreign experts that work together with students of University of Belgrade on different small projects - it tends to explore important themes in development of city of Belgrade such as: connection of the city center with river, revitalization of specific central areas, etc.

3.3 Methodology

Opposite to linear process of designing public spaces through hierarchy of design disciplines - interdisciplinary public art and urban design process respects the skills of professionals from complementary design disciplines working together to initiate projects for the city. Therefore hierarchy of disciplines disappears.

"This method of working is both old and new: it follows in the footsteps of the beaux-arts tradition and the United State's WPA method for civic design. In United States, public art is often used to energize urban design – to comment on sites in order to help one see and experience them in new ways. Artists often collaborate on infrastructure for utilitarian purposes, and work with architects, landscape architects, urban designers and engineers to execute their projects. There is also tradition in the United States of community participation on projects in the civic realm. Design professionals ask the general public how they use or experience a place, what their memories and sensibilities are about and urban space, and what they would like to see there. This communication informs the designer's perspective and helps him/her design a new site, or redesign an old site without destroying the traditions and histories associated there." (Cohen Ch, Bressi T., Pinto J.)

This tradition was used as the base for PAPS work.

3.4 Goals

First general objective of PaPs is *establishing new procedures in public art and public space design process* in Serbia and Montenegro. This means (a) *collaborative interdisciplinary work* of public artists, urban designers, planners, landscape architects, engineers... that *work along with local citizens, local groups and referent governmental levels on projects in the civic realm.*

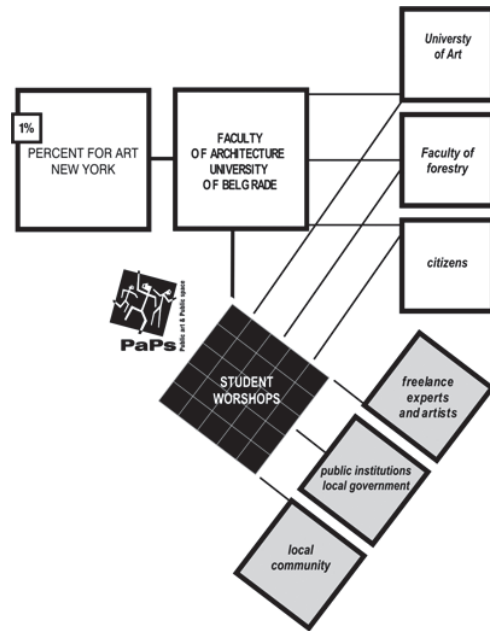
Besides the *affirmation of interdisciplinary approach* - this project has another but certainly not less important goal: *academic education of a new generation of design professionals* who'll accept this collaborative approach and apply it their future professional practice. This was an excellent basis for collaboration between Faculties of architecture, fine arts, applied arts, landscape design, performing arts, etc. that happened for the first time in the history of University of Belgrade.

Finally, since public art has scarce tradition in Serbia, there is a need to gain public attention and *more intensive public participation* thorough local initiatives and public institutions through *developing public knowledge and awareness about their role in public space design process.*

3.5 Objectives

Objectives of Public art Public space project are:

- Integration of art in process of urban planning and urban design with a purpose to establish new framework for evaluation and improvement of public spaces in Beograd and Serbia
- Public participation: activate and involve local community and City government into urban design process
- Identification, evaluation and improvement of public spaces in Belgrade.
- Establishing a searchable database of public spaces in Belgrade (input for future action).
- Activation of spaces with cultural, historical an representative potentials
- Education of new generation of professionals



tab. 1: Public art Public space (PAPS) organization scheme

3.6 Project Organization

PAPS project is founded and organized by Faculty of Architecture in Belgrade and was coordinated by New York City Percent for Art program. The project gathered large number of participants from different levels: academic (students and teachers from several

faculties of Belgrade University and University of Art)), governmental (Ministries, City of Belgrade, municipality), public institution (cultural institutions, public communal enterprises,...), local community groups and freelance experts from different fields of work.

Table 1 presents initial Public art Public space (PAPS) organizational scheme. Though academic and cultural institutions made the initial steps, the idea is to turn this scheme upside down. Our aim is to do all that is necessary to gain strong public participation in public art and urban design process, make local community initiate projects and work thorough local government on different projects in the civic realm. In this way, professionals will no longer be leaders that impose their visions of public space treating public only as the audience but will become public service in a way that they'll have to produce kind of space that people need, appreciate and accept.

3.7 PAPS 2003 pilot project

PAPS 2003 pilot project was exploring possibilities of using public art to bring citizens of Belgrade to the river Sava. It was focused on central historical core of Belgrade. It was realized through 3 stages of work: initiation, conceptualization-design and realization. Each of these stages had results in a form of projects that were presented to public institutions and local citizens with an idea to gain their active participation in working process. Several lectures on public space and public art were organized for the same purpose.

- initiation: initial workshop was held at the Faculty of Architecture as a presentation of interdisciplinary work; On a second level identification of public spaces in chosen area and analysis of its potentials for public art was done by students of Faculty of Architecture. *Presentation: Catalogue of public spaces in central core, Presentation of PAPS for public*
- conceptualization and design: 10 workshops were organized as interdisciplinary teams of students who worked together with interdisciplinary team of mentors on developing design solutions for chosen sites. *Presentation: Catalog of project presentation: digital simulation of public art interventions in space. Presentation of PAPS for public*
- realization: Design projects were modified due to chosen path to the river and budget. Different forms of public art was presented to public: video and sculptural installations, lightening, coloring the trees, artistically greening of streets, street theatre, projections, music, fashion shows, street car graffiti, musical performance in streetcar...

All workshops had simultaneous presentations that energized path to the river. Several thousand people took part in procession that connected all workshops. *Presentation took place on July 12th 2003. titled "Step to the river Sava" and was highly accepted by citizens.*

3.8 Experiences in using ICT in PaPs 2003 project

Use of ICT tools was indispensable in realization of this project. It was used in two ways and:

- For *public presentation* at different levels of work process. For the purpose of getting public attention and awareness, several procedures were done that enhanced the quality of presentation: 3d modeling of subject area, digital manipulation of real space, digital simulation of lighting and photo montage of public art projects in real space...
- For *on-line work*: internet was used as an organizational tool with a purpose to *accelerate communication* and *enable work* with experts from abroad. Documentation data bases were formed that could be shared among users. Project database was formed for evaluating design projects and enable improvement of students work. Finally, project realization database was formed for further presentation and exchange of experiences.

These two main areas of using ICT in PAPS 2003 project formed the basis for our plans for future work in this field. But what is even more important is that ICT are recognized as very important part of PAPS future work. In the context of economical poverty and political uncertainty for realization of public art in real space - important part of PAPS work in future will be based on developing a platform for on-line work on different projects in virtual space. Some possibilities and fields for integrating ICT with PAPS model for Public art project will be presented in next chapter.

4 DEVELOPING ICT TOOLS FOR PUBLIC PARTICIPATION IN PUBLIC SPACES IMPROVEMENT PROCESS: PAPS MODEL

4.1 ICT in Serbia

Period of 10 years of Serbian isolation from international organizations and lows provided specific environment for spontaneous development of the IC technologies. On one hand there was an economic decline that caused national poverty and excluded most of nation from changes of everyday life that Internet and ICT brought to developed countries. Therefore widespread of Internet is on the low level in Serbia comparing to USA and EU but we can expect that this situation will change in time that comes.

On the other hand during this period our market was occupied with no tax paid-inexpensive- low quality- computer hardware and extremely cheap pirate software. Therefore lot of our citizens was able to by commuter and work with newest software's. This led to present situation when we have certain number of companies well equipped for dealing with digital information *a large number of mostly young academic individuals highly educated in field of IT.*

This brought us to exploration of the possibilities to use this knowledge of young academic people for PAPS future work.

4.2 PAPS model for Public art project

Public art project is based on 4 project phases - fields of work that can be implemented in various environments. (tab.2)

documentation: identification and documentation on public spaces. analysis of their potentials for artistic improvement

design: ideas conceptualization and project design

evaluation : selection of project that reaches certain criteria

realization: chosen project is produced in public space.

These project phases coincide with different time sequences and allows realization of separated phases as separate integral projects. These results can be: documentation, project or realized databases, project presentation...

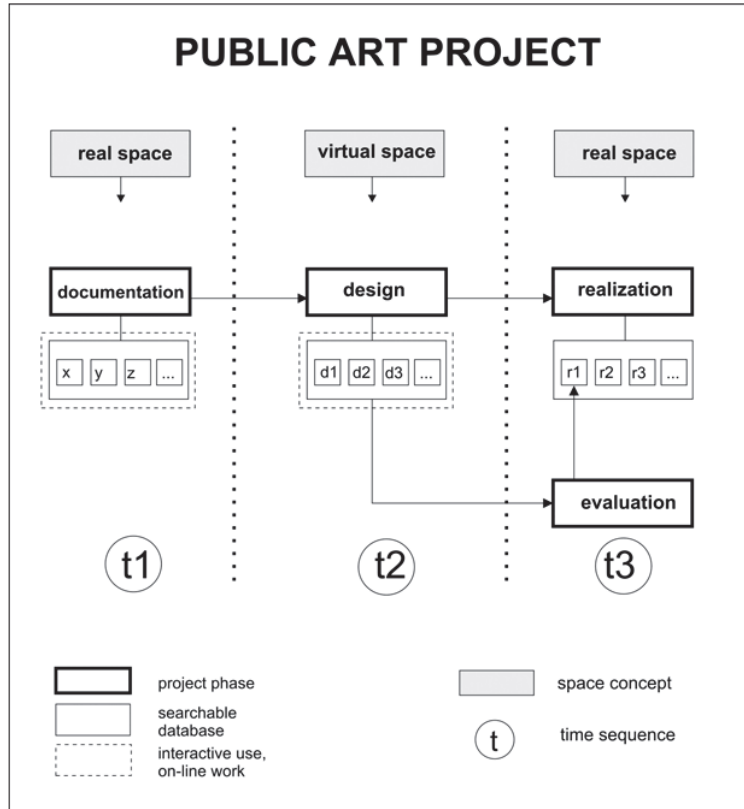
Public art project allows realization in different space concepts.

Different participants can participate in different stages of work: students, professionals, public and institutions... and can have different impact on project. They can use it as a data source or educational tool or they can take an active participation in it.

4.3 Possibilities for use of ICT in PAPS model for Public art project

Experiences of using ICT in PAPS 2003 pilot project showed that there are many things yet to be explored. Specific social, economical and political context in our country and uncertainties in funding of Public art projects in presence and future brought us to idea of further developing possibilities of use ICT in PAPS for the purpose of getting stronger public participation in public spaces improvement process. Earlier presented model of Public art project was used as a basis for that work.

Model is presented on tab. 2. The main idea is to use human potential and motivation and develop different forms of possible public participation and to use advantages of new ICT (internet, web, ...) for gaining wider public participation. Therefore model is structured through space concept, time sequences, different project phases and fields of using ICT according to people motivation.



1) Project phases are, as previously presented in general model: documentation, design, evaluation and realization. Each project phase can be developed as a separate sub project. This is important because it allows independent work and upgrading of each phase due to growth of knowledge on particular subject.

tab 2: Possibilities for ICT in Public art project

2) Expected user groups are: students and mentors, professionals, general public and institutions. Each project phase can have differentiated accessibility to different user groups. Each user group can also participate and contribute in both user and formation phases of project. Using Internet allows possible participation of a large population of Serbian high-educated emigrants throughout the world that can have strong motivation to contribute to the project. Also it makes possible for foreign students and professionals to participate in project or use databases.

3) There are two main fields of using ICT in this model. It can be used for:

- Creation of on-line searchable databases on different project phases: documentation database (x, y y...), design database, realization database. This will allow knowledge share on different levels among different institutions, experts... and be used for further study or evaluation.
- Creation of a combined platform that use ICT for the development of interactive use and on-line work on different project phases. Documentation phase can be developed not only by students but also by general public or local citizens. They can contribute by different documents and memories and suggestions that can further be used as a basis for public art proposals. On the other hand public participation can be gained also by their involvement in design and evaluation phase. This also stands for public institutions and professionals.

4) By structuring project both through space and time different levels of implementation are possible: it is possible to develop both documentation and work on theoretical basis of evaluation of public art and also to design public art projects in virtual space without necessity of producing it in real space.

5) By using a concept of virtual, Internet space as a public space different possibilities emerge:

- to use documentation on real space and use virtual space (3d modeling, image manipulation...) for simulation of implementation of public art in virtual space. Projects of this kind can form design database and wait for the time when money will be spent on evaluated and chosen public art project in real space.
- to use documentation on real space, create virtual space (3d modeling, image manipulation...) as a response to it and then develop new forms of public art that refers to virtual public space as a medium. This will be an overlap of design and realization space though it is possible to evaluate and then choose a virtual public art project that will be presented on Web.

5 CONCLUSION: BENEFITS OF USING ICT TOOLS FOR PAPS PUBLIC ART PROJECT

Contemporary ICT technologies are widely used in the public service domain in developed countries. Since Public art is not institutionalized in Serbia and it is difficult to predict bigger investments in this field of public spaces improvement are due to many reasons: system of planning and managing urban space is inert and should be reformed as well, professionals are not educated in the field of public art and it will take time and effort to change that, general public is not aware of benefits of quality public art and possibilities to take a part in the process of space improvement, and most of all economic decline that will put forward investments in basic infrastructure before investments in public art...

Therefore we see the realization of ICT *using model for public art project* as a possibility to gain numerous *benefits in various fields*:

- It can be used as a *basis for institutionalization and formation of Public art program* on municipality level. It can be directly linked with governmental ICT system or can be formed as a part of it.
- It can contribute to general public participation in urban planning especially in public spaces improvement process by developing different modes of public participation in each of project phases: *public can use data from documentation, design or produced project database or can actively participate in formation of each project.*
- It can be used for *establishing experts, professional network* in the field of Public art on both national and international level
- It can *enforce sense of belonging to place* by forming a network of ex-citizens that take active part in new, virtual reconstruction of city public spaces.
- It can serve as an *educational platform for national and international exchange of knowledge* through: 1. - creation of a combined platform that uses ICT, for the development of shared courses and on-line work, with a purpose to maximize the exchange of educational experiences. 2. - creation of an on-line searchable database that allows an improvement of knowledge about experiences in Public Art in the diverse cities/regions and under the influence of the different Institutions
- Support in *creating new forms of Public Art* while conceptualizing *internet virtual space as a public space*
- *Formation of databases* that can help urban space improvement process when budget occurs but that can also serve as an educational tool for general public as well as institutions and active professionals.
- *Possibility to check out and discuss public art projects* (by their simulation in virtual space) with experts and general public- before there are actually produced in real space

Using ICT in Public art and Public space (PAPS) project can help us to prepare a basis for stronger integration of public art in the civic realm by working on human potentials and knowledge in a context of educational, social and economical reform in Serbia. According to this, potentials for public art in public spaces of Belgrade and Serbia will be explored as well as the educational process in two main fields: *education of institutions, active professionals and general public and education of future professionals/ students.* This can lead us to development of an academic educational program in the field of public art that would be based on using ICT as a framework for action. *Use of ICT would help managing communication, knowledge exchange and on-line work on different levels:* between students and professors from different faculties in Belgrade university, between students and professionals from country and abroad and in context of international academic exchange - communication, knowledge exchange and on-line work on common public art projects.

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