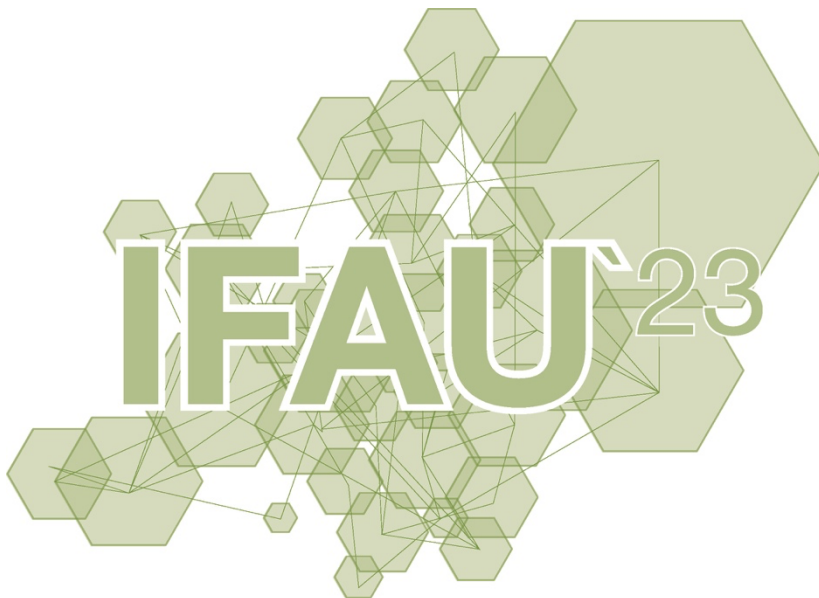


# CONFERENCE PROGRAM



**IV INTERNATIONAL FORUM ON ARCHITECTURE AND URBANISM**

**CLIMATE CHANGE AND CULTURAL HERITAGE**

**22 - 23 JUNE 2023 | CASERTA**



Università  
degli Studi  
della Campania  
*Luigi Vanvitelli*

*Dipartimento di Architettura e  
Disegno Industriale*

The *IFAU23 Conference* entitled *Climate Change and Cultural Heritage* promotes studies and research on the past, present and future of architecture, the city and the landscape. Climate Change that afflicts our Planet is a worldwide problem for humanity and affects the practices of knowledge, management and protection of cultural heritage. Cultural Heritage includes the interdisciplinary themes of possible questions related, in one, to the Heritage as a set of multiple categories, from artifact to natural. The *IFAU23 Conference* proposes a large discussion on cultural heritage as a “*place of Life*” for all living beings on the Planet as well as on *best practices* related to heritage as a “*place of experience*” for the knowledge and protection of the built and natural environment, material and immaterial, tangible and intangible.

The contributions will be included in the three topics to follow (*architecture; city and landscape; living environments*) to activate an interdisciplinary discussion on the topics and criticalities of the current relationship between Climate Change and Cultural Heritage in the opinion that scientific knowledge must always accompany the progressive impact on the life of communities.

## TOPICS

### **T1: Architecture**

Communication, Documentation, Drawing, Graphics, Heritage, History of architecture, History of the City, Images, Knowledge, Remote Sensing, Representation, Restoration, Survey, Territory, BIM, H-BIM.

### **T2: City and Landscape**

Architectural Project, Environment, Landscape, Landscape Project, Law, Planning, Resilience, Small Municipalities, Technology, Territory, Urban Planning, GIS.

### **T3: Living Environments**

Acoustics, Building, Building Energy Systems, Building Physics, Design, Energetics, Fashion, Interiors, Jewellery, Lighting, Materials, Structures, AI, VR.

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Luigi Corniello, University of Campania “Luigi Vanvitelli”, Italy

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# 22.06.2023

Rector's Building | Viale Ellittico, 31, Caserta

10:00 | 10:30      **REGISTRATION & WELCOME COFFEE**

10:30 | 11:45      **INSTITUTIONAL WELCOME**

*Luigi Maffei,*

Co-Rector of University of Campania "Luigi Vanvitelli", Italy

*Andrea Maliqari,*

Rector of Polytechnic University of Tirana, Albania

*Fundo Akli,*

Co-Rector of Polytechnic University of Tirana, Albania

*Shehu Elfrida,*

Co-Rector of Polytechnic University of Tirana, Albania

*Furio Cascetta,*

Co-Rector of University of Campania "Luigi Vanvitelli", Italy

*Francesca Fatta,*

President of Unione Italiana Disegno

*Florian Nepravishta,* Creator IFAU Conference,

Polytechnic University of Tirana, Albania

*Ornella Zerlenga,*

Dean of DADI, University of Campania "Luigi Vanvitelli", Italy

11:45 | 12:00      **IFAU23 CONFERENCE PRESENTATION**

*Luigi Corniello,* Conference Chair

12:00 | 13:00      **LECTURE**

*Paul-Louis Meunier,*

École Spéciale des Travaux Publics, Paris, France

**NEW HI-TECH MATERIAL FOR ENERGY SYSTEM BUILDINGS,  
EVOLUTION OR REVOLUTION?**

13:00 | 14:30      **LUNCH**

**15:00 | 16:00**      **PARALLEL SESSION**

**Session I** Conference Room 1A

**Chair: Caterina Palestini, Concetta Tavoletta**

- 15:00 | 15:10**      ID135 Riccardo Serraglio  
RURAL ENVIRONMENT OF BASSO VOLTURNO.  
TRANSFORMATIONS IN THE TWENTIETH CENTURY
- 15:10 | 15:20**      ID079 Chiara Ingrosso  
FROM BIOLOGY TO THE CITY. SYMBIOSIS AND ECOLOGY IN  
PATRICK GREDDER'S THEORY *by* cirillo
- 15:20 | 15:30**      ID056 Raffaella Fiorillo  
DWELLING OF OTHER "TIMES": THE PALACE OF THE TRINCONCO  
IN BUTRINT
- 15:30 | 15:40**      ID148 Fiona Nepravishta  
HERITAGE DAMAGE AND LOSS: STRENGTHENING CULTURAL  
HERITAGE RESILIENCE IN A CHANGING CLIMATE
- 15:40 | 15:50**      ID160 Giulia Ceriani Sebregondi  
REUSE AND RECYCLE IN EARLY MODERN BUILDING SITE. SOME  
OBSERVATIONS AND EXAMPLES
- 15:50 | 16:00**      ID066 Felicia Di Girolamo, Danila Jacazzi  
A CITY WOODLAND: ORINETI PALACE IN AVERSA

**Session II** Conference Room 1B

**Chair: Laura Baratin, Laura Ricciotti**

- 15:00 | 15:10**      ID124 Gianfranco De Matteis, Gerardo Palmieri, Mattia Zizi,  
Angelo Lavino, Pasquale Bencivenga, Costantino  
Dell'Aversano, Vittorio Emanuele Iervolino, Cipriano Cerullo  
PRELIMINARY ASSESSMENT OF LANDSLIDES AND HYDRAULIC  
HAZARDS OF CASERTA PROVINCIAL ROAD BRIDGES BASED ON  
CARTOGRAPHICAL DATA

- 15:10 | 15:20** ID040 Giorgio Frunzio, Mariateresa Guadagnuolo, Luciana Di Gennaro, Luigi Massaro, Luca Damiani  
*THE SHORT WOOD SUPPLY CHAIN: AN OVERVIEW FOR SUSTAINABLE ARCHITECTURE*
- 15:20 | 15:30** ID125 Maddalena Della Pietra, Amalia Gioia, Corrado Chisari, Mattia Zizi, Gianfranco De Matteis  
*KNOWLEDGE PROCESS FOR CULTURAL HERITAGE PRESERVATION: THE CASE STUDY OF CASERTAVECCHIA BELL TOWER*
- 15:30 | 15:40** ID037 Luigi Massaro, Simona Ottieri, Giorgio Frunzio, Luca Damiani  
*THE STATIC OF TEMPORARY EXPOSITIONS*
- 15:40 | 15:50** ID127 Giada Limongi, Pasquale Bencivenga, Costantino Dell'Aversano, Vittorio Emanuele Iervolino, Angelo Lavino, Mattia Zizi, Gianfranco De Matteis  
*ROAD BRIDGES AS KEY ELEMENTS FOR INCREASING INFRASTRUCTURE RESILIENCE AND REDUCING TERRITORIAL RISK*
- 15:50 | 16:00** ID014 Martina Mazzola, Giovanna Mincone, Claudia de Biase  
*FROM DENIED AREAS TO NEW URBAN CENTRALITIES: A PROPOSAL*
- 16:00 | 16:30** **COFFEE BREAK**
- 16:30 | 18:00** **PARALLEL SESSIONS**
- Session III* Conference Room 1A  
**Chair: Pedro António Janeiro, Luigi Corniello**
- 16:30 | 16:40** ID093 Laura Baratin, Francesca Gasparetto  
*CLIMATE CHANGE AND CULTURAL HERITAGE: RESEARCH AND TRAINING PROJECTS FUNDED BY EUROPE IN RECENT YEARS*
- 16:40 | 16:50** ID013 Caterina Palestini, Stella Lolli  
*LANDSCAPE FRAGMENTS: INVESTIGATIONS ON THE METAMORPHOSES OF FUCINO FOR A BIOCLIMATIC ANAMNESIS OF THE TERRITORY*

- 16:50 | 17:00** ID075 Antonio Conte, Marianna Calia, Ali Yaser Jafari  
TOURISM PROMOTION STRATEGIES FOR THE DESIGN OF CULTURAL ITINERARIES IN INNER AREAS WITH THE USE OF GIS IN THE CASE STUDY OF STIGLIANO
- 17:00 | 17:10** ID098 Guiye Lin, Andrea Giordano, Luigi Stendardo, Xiao Chun Yang  
PROTECTION AND RENEWAL DESIGN OF ARCHITECTURE HERITAGE WITH 3D LASER SCANNING DATA: TAKING LA VILLA VITI IN MAZZOLLA AS AN EXAMPLE
- 17:10 | 17:20** ID076 Manuela Altruda, Saverio D'Auria  
THE SURVEY OF DECORATED SURFACES FOR THE RESTORATION PROJECT: THE CASE OF THE FLOOR OF THE CHURCH OF SANTA MARIA VISITAPOVERI IN FORIO
- 17:20 | 17:30** ID015 Roberto Castiglia, Lorenzo Ceccarelli  
THE CAPUCHIN CONVENT AND THE CHURCH OF SAN MATTEO AL POSATOIO IN VOLTERRA. HISTORY, SURVEY AND REUSE
- 17:30 | 17:40** ID097 Giovanni Rasetti  
SPACE AND FORMS: THE DOUBLE PARADIGM OF THE LANDSCAPE
- 17:40 | 17:50** ID003 Ornella Zerlenga, Vincenzo Cirillo, Luciano Lauda  
THE IMAGE OF MONTERUSC(I)ELLO BETWEEN DREAM AND REALITY
- 17:50 | 18:00** ID57 Adriana Bernieri, Simone Castaldi  
SYNCHRONIC BORDERS BETWEEN HEALTHY CITY AND REVEALED NATURAL HERITAGE: THE CASE OF THE SAN ROCCO RAVINE IN NAPLES

**Session IV** Conference Room 1B

**Chair: Maria Ines Pascariello, Michelangelo Scorpio**

- 16:30 | 16:40** ID034 Rossella Franchino, Caterina Frettoloso, Francesca Muzzillo, Antonella Violano  
REUSE MODELS FOR RESILIENT LIVING SPACES
- 16:40 | 16:50** ID090 Maria Dolores Morelli, Benedetta Terenzi, Raffaella Marzocchi, Carmela Barbato

*BENGEEMS – JEWELERY FOR EMERGENCY*

**16:50 | 17:00**

IDo55 Antonella Violano, Luis Palmero Iglesias, Graziella Bernardo, Roxana Geogiana Aenoai

*THE PERFORMED BASED REGENERATION OF AUTHOR SOCIAL HOUSING DISTRICTS*

**17:00 | 17:10**

IDo60 Stefano Magaudda, Serena Muccitelli

*AN ECOSYSTEM-BASED APPROACH TO IMPROVING THE CLIMATE RESILIENCE OF CULTURAL LANDSCAPES.*

**17:10 | 17:20**

IDo92 Francesca Castanò, Maria Pia Esposito

*“PER FARE UN TAVOLO CI VUOLE UN FIORE”. ARCHITECTURE AND NATURE IN THE WORK OF FRANCA STAGI AND CESARE LEONARDI*

**17:20 | 17:30**

IDo65 Salima Zerari, Rossella Franchino, Nicola Pisacane

*BIO-BASED LANDSCAPE MATERIALS FOR MITIGATION OF CLIMATE CHANGE IN CITIES*

**17:30 | 17:40**

ID145 Laura Ricciotti, Valeria Perrotta, Raffaella Aversa

*DEVELOPMENT OF GEOPOLYMER MATERIALS FOR SUSTAINABLE DESIGN AND ADVANCED APPLICATIONS*

**17:40 | 17:50**

ID134 Gianluca Cioffi

*THE LAND RECLAMATION OF THE SELE*

**17:50 | 18:00**

IDo43 Cherubino Gambardella, Concetta Tavoletta, Maria Gelvi, Monica Cannaviello, Luigi Arcopinto

*SHARCH SECONDH AND ARCHITECTURE A NEW LIFE FOR CONFISCATED PROPERTY*

**20:30**

**SOCIAL DINNER**

*Villa Ortensia D'Avalos Dimora Storica  
Via Antonio Genovesi, 2 Alvignano (Ce)*

23.06.2023

Rector's Building | Viale Ellittico, 31, Caserta

10:00 | 11:00

**LECTURE**

Fabrizio Canonico,

Director of the Nature Reserve of Cratere degli Astroni (NA)

CLIMATE CHANGE IN GRASSLAND DEGRADATION AND THE  
ROLE OF THE CONSUMER

11:00 | 11:30

**COFFEE BREAK**

11:30 | 13:00

**PARALLEL SESSIONS**

*Session V* Conference Room 1A

Chair: **Andronira Burda, Daniela Palomba**

11:30 | 11:40

ID156 Florian Nepravishta, Vjola Ilia

LOST MEMORY AND REVITALISATION OF SPAÇ PRISON

11:40 | 11:50

ID132 Saverio Carillo

ARCHITECTURE AND "DESIGN D'ARGOT". LANDSCAPE  
CONSTRUCTION AND INTANGIBLE HERITAGE OF KNOWLEDGES

11:50 | 12:00

ID051 Gianluca Pintus, Anna Trupia

REUSE OF PSYCHIATRIC HOSPITALS: GRAFTING AND REWRITING

12:00 | 12:10

ID024 Giuseppe Geraci, Alberta Piselli

TRADITIONAL TECHNIQUES AS MITIGATION STRATEGY: TERRACES  
ON PANTELLERIA ISLAND

12:10 | 12:20

ID052 Adriana Trematerra, Florian Nepravishta

RESTORATION AND REUSE OF WINDMILLS IN THE CYCLADES  
ISLANDS

12:20 | 12:30

ID147 Benida Kraja, Xhejsi Baruti, Daniel Pirushi

THE IN-BETWEEN THREAD AND PROCESS OF HISTORICAL CENTRES

- 12:30 | 12:40 ID152 Xhejsi Baruti, Florian Nepravishta, Adriana Trematerra  
CONSOLIDATION AND RESTORATION INTERVENTIONS IN KRUIJA  
CASTLE AFTER THE 2019 EARTHQUAKE
- 12:40 | 12:50 ID069 Elisabetta Rosina, Megi Zala  
SMALL CENTRES IN THE ALPS REGION: THE CHALLENGES OF  
CLIMATE CHANGE IN A SUBSISTENCE ECONOMY
- 12:50 | 13:00 ID057 Adriana Bernieri, Simone Castaldi  
SYNCHRONIC BORDERS BETWEEN HEALTHY CITY AND  
REVEALED NATURAL HERITAGE: THE CASE OF THE SAN ROCCO  
RAVINE IN NAPLES

**Session VI** Conference Room 1B

**Chair: Mara Capone, Alice Palmieri**

- 11:30 | 11:40 ID027 Etleva Bushati, Elfrida Shehu, Benida Kraja  
CLIMATE CHANGE AND INDOOR ENVIRONMENT IN THE ALBANIAN  
MUSEUM BUILDINGS
- 11:40 | 11:50 ID073 Anna Bruna Menghini  
TRADITION AND INNOVATION IN CONSTRUCTIVE CULTURES.  
BUILDING WITH EARTH, SUN, WATER AND AIR.
- 11:50 | 12:00 ID091 Teresa Cilona  
SICILIAN CITIES AT RISK. CLIMATE CHANGE URBAN ADAPTATION  
STRATEGIES
- 12:00 | 12:10 ID029 Bard Rama  
ARE URBAN MOBILITY APPROACHES IN LINE WITH SDG GOALS?  
PERSPECTIVES AND SOLUTIONS OFFERED BY THREE EUROPEAN  
ECODISTRICT SITES
- 12:10 | 12:20 ID048 Tullia Valeria Di Giacomo, Giulia Luciani, Elena Paudice  
ADAPTING HERITAGE TO AN UNCERTAIN FUTURE. METHODS AND  
INSTRUMENTS FOR WATER LANDSCAPES IN THE CONTEXT OF  
CLIMATE CHANGE
- 12:20 | 12:30 ID019 Fabio Cutroni, Maura Percoco  
FACTORIES OF KNOWLEDGE AND SOCIALITY



- 12:30 | 12:40** ID044 Debora Macrì  
THE LANDSCAPE BETWEEN NATURE AND CULTURE
- 12:40 | 12:50** ID096 Adriana Galderisi, Ornella Zerlenga, Margherita Cicala, Giada Limongi  
COMMUNITY MAPPING: PARTICIPATORY TOOLS TO UNDERSTAND, REPRESENT AND PRESERVE CULTURAL HERITAGE
- 12:50 | 13:00** ID103 Marta Rabazo Martin  
NEW ECOLOGICAL FORMS AND CONVIVIALITY IN THE WORK OF DIANA BALMORI

**13:00 | 14:30** LUNCH

**15:00 | 16:30** PARALLEL SESSIONS

*Session VII* Conference Room 1A

Chair: **Gjergj Thomai, Vincenzo Cirillo**

- 15:00 | 15:10** ID009 Pedro António Janeiro  
LANDSCAPE, LANDSCAPES AND INTERLOCUTORS: MY VISUAL REPRESENTATION AND THE VISUAL REPRESENTATION OF “THE OTHER”
- 15:10 | 15:20** ID087 Alice Palmieri  
BUILDING ECOLOGICAL AWARENESS: NEW REPRESENTATIONS OF NATURE THROUGH DIGITAL IMAGES AND AI EXPERIENCES
- 15:20 | 15:30** ID080 Andronira Burda, Entela Daci, Andrea Maliqari, Julia Hallvaxhiu  
LASER SCANNING AS A DIGITAL TOOL TO INVESTIGATE ARCHEOLOGICAL HERITAGE: UNRAVELING THE GEOMETRY OF THE DURRËS ROMAN AMPHITHEATRE
- 15:30 | 15:40** ID129 Simona Scandurra, Arianna Lo Pilato, Daniela Palomba, Antonella di Luggo  
MODELING DECAY IN HBIM TO DOCUMENT, KNOWLEDGE AND PRESERVE CULTURAL HERITAGE

- 15:40 | 15:50** ID102 Laura Barrale, Claudia Patuzzo  
*THE 1735 PORTA FELICE APPARATUS BETWEEN HISTORY AND DIGITAL REPRESENTATION: A CULTURAL HERITAGE AS A "PLACE OF LIFE AND EXPERIENCE"*
- 15:50 | 16:00** ID159 Maria Carolina Campone  
*KRITIA: AN ASPECT OF HYDROGEOLOGICAL INSTABILITY IN ANCIENT GREECE*
- 16:00 | 16:10** ID100 Andronira Burda, Gjergj Thomai, Andrea Maliqari, Albano Guma, Joli Mitrojorgji  
*3D DIGITAL RECONSTRUCTION FOR THE VIRTUAL REALITY WORLD: REEMERGING THE LOST ARCHITECTURE OF ELBASAN ORIENTAL BAZAAR*
- 16:10 | 16:20** ID117 Gennaro Pio Lento, Florian Nepravishta, Luigi Corniello  
*RELATIONSHIP BETWEEN CITY AND PORT THROUGH THE ANALYSIS OF ARCHITECTURAL AND TERRITORIAL CHANGE*
- 16:20 | 16:30** ID120 Loretta Çapeli, Jonida Meniku, Meri Priftuli Semini  
*THE INFLUENCE OF BAUHAUS ARCHITECTURE IN ALBANIA, IN THE 20TH CENTURY*

**Session VIII** Conference Room 1B

**Chair: Florian Nepravishta, Saverio D'Auria**

- 15:00 | 15:10** IDo88 Francesco Salamone, Ludovico Danza, Etleva Dobjani, Saimir Kristo, Saimir Shtylla, Sergio Sibilio, Massimiliano Masullo  
*ON THE USE OF WEMOS, A WEARABLE DEVICE FOR ASSESS THE INDOOR ENVIRONMENTAL QUALITY OF AN EDUCATIONAL CASE STUDY IN ALBANIA*
- 15:10 | 15:20** IDo36 Massimiliano Masullo, Federico Cioffi, Jian Li, Luigi Maffei, Tina Iachini, Gennaro Ruggiero, Francesco Ruotolo  
*TRAFFIC NOISE MITIGATION IN URBAN MULTISENSORY ENVIRONMENTS: A VIRTUAL REALITY APPROACH TO URBAN SOUND PLANNING*

- 15:20 | 15:30** IDo77 Khelil Alla Eddine, Sergio Sibilio, Michelangelo Scorpio  
*INNOVATIVE HARVESTING SYSTEMS TO IMPROVE INDOOR VISUAL COMFORT*
- 15:30 | 15:40** IDo89 Emiliano Lustrissimi, Bonifacio Bianco, Sebastiano Caravaggi, Antonio Rosato  
*ECO-SUSTAINABLE APPROACH IN THE DESIGN OF AN END-OF-LINE BENCH FOR ELECTRIC VEHICLE MOTOR PRODUCTION*
- 15:40 | 15:50** ID118 Luigi Tufano, Simona Barbato, Yorgos Spanodimitriou, Michelangelo Scorpio, Alfonso Carola, Giovanni Ciampi  
*A SECOND-SKIN FAÇADE SYSTEM TO IMPROVE ENERGY EFFICIENCY AND AESTHETIC APPEAL: THE CASE STUDY OF MONTERUSCELLO*
- 15:50 | 16:00** IDo81 Davide Carleo, Martina Gargiulo, Giovanni Ciampi, Michelangelo Scorpio, Pilar Chias Navarro  
*EVALUATION OF THE SENSE OF SAFETY IN MONUMENTAL GARDENS DURING NIGHT THROUGH VIRTUAL REALITY*
- 16:00 | 16:10** ID101 Michelangelo Scorpio, Sergio Sibilio, Giovanni Ciampi  
*INFLUENCE OF TRANSFER FUNCTION ON LUMINANCE DISTRIBUTION IN HEAD-MOUNTED DISPLAYS: A MUSEUM CASE STUDY*
- 16:10 | 16:20** IDo82 Martina Gargiulo, Davide Carleo, Giovanni Ciampi, Michelangelo Scorpio, Pilar Chias Navarro  
*USING VIRTUAL REALITY TO ASSESS THE RELATIONSHIP BETWEEN ARCHITECTURAL AND GREEN AREAS LIGHTING.*
- 16:20 | 16:30** IDo62 Achille Perrotta, Luigi Maffei, Antonio Rosato  
*BUILDING-INTEGRATED VERTICAL MICRO-WIND TURBINE IN THE SOUTH OF ITALY: ENERGY, ENVIRONMENTAL AND ECONOMIC ASSESSMENT OF A TYPICAL CASE STUDY*

**16:30 | 17:00** **COFFEE BREAK**

**17:00 | 18:00**

**CONCLUSIONS**

*Conference Room 1A*

Zerlenga Ornella, University of Campania “Luigi Vanvitelli”, Italy

Jacazzi Danila, University of Campania “Luigi Vanvitelli”, Italy

Corniello Luigi, University of Campania “Luigi Vanvitelli”, Italy

Maliqari Andrea, Polytechnic University of Tirana, Albania

Nepravishta Florian, Polytechnic University of Tirana, Albania

**18:00 | 18:30**

**AWARDS**

*Conference Room 1A*

*Best Paper & Best Poster*

# 24.06.2023

Reggia di Caserta | Piazza Carlo di Borbone, Caserta

## **SOCIAL TOUR: Reggia di Caserta**

**10:30 | 13:00**    *Tour of the English Garden*

**13:30 | 14:30**    **PIZZA LUNCH**

**15:00 | 18:00**    *Tour of the Royal Palace*