1. Competition background
2. Topic
3. Vision, site, project scope and design tasks
4. Deadlines
5. Eligibility
6. How to participate
7. Entries requirements
8. Ownership of entries and publication rights
9. Competition advisory board
10. The jury
11. Selection process and evaluation criteria
12. Notification of winners
13. Awards
14. Obligations
15. Disclaimer
16. Exclusion
17. Competition toolkit
18. Additional information
19. Privacy statement
1. Competition background

The Research and Documentation Centre in Technology, Architecture and City in Developing Countries (CRD-PVS) at the Politecnico di Torino (Italy), acknowledges and celebrates the contribution of University students around the world. Participants are invited to apply their creative talents in developing multidisciplinary solutions and submitting entries to the International Student Design Competition tur(i)ntogreen - Farms In A Town.

Refer to the official website: www.polito.it/turintogreen.

CRD-PVS is engaged in University and Post-University teaching and co-ordinates the Specialization Course in Habitat, Technology and Development for architects and engineers interested in co-operation with developing and newly emergent countries. The Centre promotes research activities aimed at improving habitats in extreme climatic or social conditions, and scientific events (exhibitions, conferences, workshops, seminars). CRD-PVS also participates in international co-operation and technical collaboration projects jointly with Institutions, Universities, National and International Organisation, and NGOs.

CRD-PVS Politecnico di Torino
c/o Istituto Galileo Ferraris, Corso Massimo d'Azeglio 42, 10125, Torino, Italy
competition Chair: Francesca De Filippi;
competition co-Chair: Riccardo Balbo
www.polito.it/crd-pvs
centropvs@polito.it
facebook.com/crdpvs
youtube.com/crdpvs
issuu.com/crdpvs

2. Topic

The massive transformation of the global economy, the redistribution of wealth and rights, new locations and methods of production of goods and services are transforming the boundaries of the contemporary city; the fragile balance between rural areas and urban settlements is quickly evolving. Younger generations from the rural areas in the whole world continue to move into the cities, claiming the right to share the benefits supplied by joint services, wealth and employment, peculiarities of the city even if they imply unacceptable life conditions. This has already led to an increase in urban population that generates the demand for new architectural solutions ensuring dignity and integrated living conditions. Turin knows these phenomena very well from its history. In more than one occasion in recent Italian history the city has been the home for many people and families coming from other parts of the Country.

Yesterday
The housing condition in Turin at the beginning of the 20th century was extremely critical due to fact that urban migration resulted in a huge strata of population in a very short time, as a consequence of the employment opportunities offered by the rising industries. The population of the city increased by around 8000 per year. The 1901 census recorded 7137 apartments, which were composed of one single room hosting on average more than 4 people; it appears they were 12284 dwelling units (12% of the overall stock) made up of overcrowded uninhabitable basements, cellars, mezzanines and garrets. This mainly took place within the oldest part of the city, acting as a first buffer, a landing place for the labour immigration, generating in few years an overcrowded and unhealthy urban scenario. But it has been during the economic boom of the'60's that Turin had seen its most important growth, which has given it the size we know today. During those years, 25 areas for urban development were identified, for the realization of dwellings and

www.polito.it/turintogreen
services for the *new Torinesi*. The South Mirafiori neighbourhood was the first area among the 25 selected to be completed and became a massive social housing development. In less than two years – between 1965 and 1966 – 1 million of cubic meters were built, with a total of 2000 apartments in 35 high rise buildings.

**Today**

From the residential perspective, Turin, today has an issue of population distribution in the urban fabric. There are districts with a high density, related to several factors, but mainly to property values and neighbourhood familiarity. On the contrary, other districts are deprived, due to a very low quality of buildings and public spaces, a poor level of services and often units too large for today’s family. This neighbourhood – the symbol of the Italian *motown* during the economic boom – today shows several conditions that deliver a sharp picture of the contemporary Turin. The existing housing development is the result of a project for a quickly growing city, defined with a successful vision but realized with inadequate financial resources and in a too short time. Social housing dwellings – today mainly owned by users - are no more sustainable in terms of maintenance costs; apartments were given to people according to the members of their families differently from the contemporary model. At that time the entire neighbourhood was designed as a living and working system together with the FIAT factories in Mirafiori as well as Rivalta Torinese, the other major production plant in the Turin area.

Energy costs and environmental issues, property values and building quality, unemployment and new global manufacturing scenarios means that South Mirafiori has extremely high potential, as an urban district, in terms of the social and economic development still to be explored. The features of the neighbourhood show direct or indirect consequences of the extremely close FIAT plants, the dwelling are inadequate for contemporary requirements and expectations in terms of efficiency and size. The public spaces have high unexpressed potential, with agricultural and green park areas of relevance to the local and urban scale, and a social fabric in need of younger generations.

**Tomorrow**

In order to assure a bright future to Turin, we need to consider transforming or to replacing the current models of urban management, life and development. The ways we manage the urban areas, the planning of other transformations and regeneration, involving citizens, raising funds and resources, coping with the global economic cycles, adapting to the climate and social changes will need to be considered as the main inspiring principles: resilience, sustainability and integration. One of the possible models refers to of the concepts of agro - housing and urban - farming, which are becoming more and more widespread: the use of open spaces - also unconventional - for diverse agricultural and cropping technologies and methods along with innovative production and management processes within a highly populated urban realm.

In future years the southern area of Turin and particularly the neighbourhoods in South Mirafiori are to be the target of several transformations, which have already started or will happen in the near future [see *Ongoing projects* section]. This will give a sparkle for new services and housing demands, a new micro economy, a new urban centrality (or polarity). The allotment system, which is still in the process of legalization (ref. MiraOrti), will be integrated with the adjacent farms situated on the outskirts of the city, and it will become part of an agricultural urban system: it will be an opportunity to raise employment, education and production. FIAT factory areas have been partially already dismissed a part of them have an uncertain future. Definitely the property values of these plots, moreover if compared to the industrial manufacturing costs in Italy today, due to their strategic infrastructural location and their sizes make them one of Turins most interesting opportunities for regeneration and development. The decontamination costs, although heavily affecting the financial scenario, will not prevent speculators looking at the area with a different perspective for a resilient, sustainable and inclusive city. People expected to move into the area will come from different cultural background and therefore also potentially different in the number of members per family.

---

1 The Italian name for people from Turin
2 Mirafiori and Rivalta plant had between the ‘70s and the ‘80s 150.000 employees.
3. Vision, site, project scope and design tasks

The vision
Imagine a neighbourhood that connects the city with the fields not only physically but also from the cultural, philosophical and environmental perspective. The area will be one the main gates to Turin, strengthened by the Corso³ Marche project. The underground line 2 (still in development) will allow people to change transportation means right here. This will be the agriculture and food production district in the city, where people will be living in a farming oriented urban realm.

There is a huge amount of free unused green space in between and around the complex geometries of the motorway junction, with a high potential as landscape and agricultural resource. There are chances to create new connections to pursue the integration between Mirafiori and Beinasco, a small village now integrated with Turin, right on the main road to the south west. The ring road junction as a barrier might itself be turned into a landscape opportunity.

The narrow area of the FIAT production area car parking (that has been a second barrier to the expansion and integration of the neighbourhood) will be the chance to provide Turin with a new model of urban life. Dwellings integrated with food production, in traditional (surface field) or innovative (vertical) models; housing for low income people and immigrants, with agricultural skills; spaces, services and features to let the younger generation reinvent their own way to work; urban farming that opens towards a new economy, including education, documentation, food retailing, agricultural and zoo-technical services.

Competition site
Turin, Italy. South Mirafiori, Circoscrizione 10 (45°1'30.71"N, 7°36'22.92"E)
Strada Antica di Collegno, Strada della Manta, Via Anselmetti, Strada del Drosso

The competition site area is private, owned by the FIAT group and other companies. The main function of the area has been devoted to a parking lot for the stock of new cars produced. On the west side one of the main entrances to the ring road and the motorway network makes this one of the natural gates to Turin. One of the two cemeteries of the city is located right besides this infrastructure. On the east side of the competition site, along Via Anselmetti, there two very different images: on the upper side, north to Via Plava, the FIAT manufacturing plants still in use; the lower east side is the South Mirafiori neighbourhood, with a narrow green strip facing Via

³ In the text the use of Italian toponymy can be translated as: Corso=avenue, boulevard; Via=street; Strada=road
Anselmetti, where the limit of the city is visible, there are high rise residential buildings and several community services. The southern limit of the plot has a wide agricultural area already targeted for different projects [www.miraorti.com], bounded by Via Mirafiori and Strada del Drosso. At the very north, the plot has a triangular area with several abandoned industrial warehouses, today often used by homeless people to take shelter during the night.

For more detailed information please visit the download area of website.

www.polito.it/turintogreen
The competition advisory board has worked on an urban analysis of the area, as a guide for all participants and particularly for those unable to visit the site. It is available in the download area. In collaboration with Mirafiori Foundation, two workshops (5 hours each) will be run on the site, to illustrate to participants the ongoing projects, the site and the surroundings. Dates and arrangements will be announced on the website.

**Project scope**
Participants are invited to apply their talent and to reflect on the following general objectives, related with the key issues of the area:

- To repopulate the neighbourhood making it an attractive and vibrant area for younger generations, students, young couples, and the first employed.
- To foster the weaker strata of society, the new citizens, unemployed, seasonal and irregular workers, to settle in the area.
- To constrain the conditions that might lead to speculation, gentrification and social eviction.
- To contribute to increase employment in the area at urban level, starting from its natural green inclination, integrating agriculture, handicraft, and ICT.
- To suggest new lifestyle formats to live the job (flexible time frame, home based, delocalized...), new models of community, new participatory processes to the construction or the maintenance phases not exclusively money based.
- To introduce models of design, construction, management, maintenance and control that engages (partially or totally) the inhabitants.

**Design tasks**
The scope of the competition brief refers to an idea of neighbourhood in south Mirafiori where dwellings, occupation and nature are not only drawn close, but strongly integrated with an innovative approach related with the contemporary scenario. The program will include:

- New facilities, services and spaces for casual, odd, handicraft, displaced, seasonal workers. These may include spaces for temporary jobs, shared spaces and workshops, public ICT facilities.
- Dwellings with high quality of life delivered at an affordable standard for young and low income people, designed with a community orientation in mind.
- Low cost and low carbon buildings with parts for self-construction and/or self-maintenance. Dwellers should have a certain degree of freedom in shaping their own place, moving within given general rules.
- Integration between residential and agricultural activities, also through the definition of new building typologies and innovative schemes and integrated solutions. Vertical farms, hydroponic cultures, integration of ICT with agriculture; here agriculture is at the scale of the home or small local business.
- Employment opportunities for people migrated from rural regions around the world to engage with others in new forms of social enterprise.
- Integration of residential requirements and waste with the agricultural productive process (waste cycle, water cycle, renewable energies, bio integrated microclimatic systems).
- To make effective use of motorway junction spaces and landscape/agricultural resource [image 1].

The competition site has been divided in 3 areas [image 2] named 1, 2, 3 from south to north. Participants need to submit a general master plan for the whole site; then choose one of the 3 areas and develop a design – according to the requirements – only for that area. The competition advisory board provides the following general guidance, about the density and the land use of the 3 areas.

**Area 1:** 60% agriculture; minimum distance from motorways: 10 meters
**Area 2:** 40% agriculture; minimum distance from motorways: 10 meters
**Area 3:** 20% agriculture
Maximum people settled: 1500

www.polito.it/turintogreen
The structure of the south side of Turin has been strategically planned according to the scheme below:
Ongoing projects

This area of the city, where the competition site is included, is today one of the most active in terms of regeneration programs. Different private and public stakeholders are running many projects addressing a new vocation and image for the area and aiming to consolidate the social fabric, to create a new local economy, to foster the southern district of Turin to become the leading sustainable community. The current ongoing project can be understood and analysed in more detail by following the links provided.

Please refer to download area of website for a description with links and to a selection of case studies with some useful information.

4. Deadlines

Individuals or teams of students are encouraged to enter the competition by completing and uploading an electronic entry on the competition website. The entries are due on or before December 21st, 2012 (11.59 pm, CET).

Deadlines
Launch September 5th, 2012
Registrations open September 10th, 2012
Registrations close November 21st, 2012
Submissions open November 22nd, 2012
Submissions close December 21st, 2012
Winners announcement January 21st, 2013

5. Eligibility

The Competition is public and open to students from around the world. All entries must be prepared by bona fide students currently enrolled in an academic program in any Higher Institution program. Architecture, landscape, urban design, planning, engineering, agriculture, sociology and economics students are more than welcome.

Both undergraduate and graduate students are eligible to submit projects; other participants are eligible if they graduate not before the end of academic year 2010-2011.

All submissions must be the work of an individual or team of students. Teams are eligible up to a maximum of 4 members and by notification of a team leader. Team members can be enrolled at different institutions or on different programs.

The official competition language is English.

6. How to participate

Participants must register following these instructions.
Between September 10th and November 21st participants can register filling the registration form available at the download area of the competition website. The complete form must be sent via email at info@turintogreen.org by November 21st (11.59 pm, CET). Once registered, participants will receive a confirmation message from the tur(i)ntogreen staff along with the alphanumeric string (6 digits, 2 letters and 4 numbers i.e. AA1234) to be used on the plates as identification. Following the registration, between November 22nd and December 21st (11.59 pm, CET) participants will be able to upload entries in the dedicated area of website. Detailed instructions for the upload will be found on the website.

www.polito.it/turintogreen
Participants must upload one single file .zip or .rar format named with the alphanumeric string issued by the tur(i)ntogreen staff. The uploaded file will contain the plates (see details below). Once the upload records will be processed, the tur(i)ntogreen staff will transfer anonymously the entries to the jury. The entries are to comprise two plates, each DIN A1, portrait, saved in .pdf format, 300 dpi: both must contain the chosen alphanumeric code and the reading order of the plates (AA1234_plate02). Code and plate number must be placed in a rectangular box, 10x4 cm, located in the lower right corner.

Neither on the plates nor in the filenames must be name of participants be indicated as this will cause disqualification and exclusion from the competition.

7. Entries requirements

tur(i)ntogreen - Farms In A Town is a paperless competition: all the material submitted and the completion pack for participants are digital. Proposals must be presented in two plates, DIN A1, portrait, pdf format, 300 dpi.

Plate contents:

Plate 1: general.
Master plan of the area, 1:1000; overview of the spatial features of the 3 areas; connections, transportations, infrastructures and mobility; community related aspects; program of the activities; processes, participation and involvement, timeline and other soft features; beneficiaries. Plate 1 must contain one image or visual that will be the manifesto of the proposal.

Plate 2: scheme.
Scheme of 1 of the 3 proposed areas 1:200; details, formal and technological features, special solutions, quantities built; renders, conceptual explanations and other visual.

Participants are free to choose how to convey and represent their ideas.

8. Ownership of entries and publication rights

All entries become the property of the CRD-PVS. CRD-PVS reserves the right to publish or use in any way, any or all entries, with appropriate acknowledgment of the author or authors. Entrants are encouraged to make record of their entry prior to submission.

9. Competition advisory board

Riccardo Balbo
Grazia Cocina
Francesca De Filippi
Alex Fubini
Fernando Menéndez Cobelo
Simone Peditto
Giovanni Quattrocolo
Piergiorgio Tosoni

www.polito.it/turintogreen
10. The jury

An international jury will consist of the following distinguished academics, architects and public sector officers:

- Riccardo Balbo, co-Chair, University of Salford
- Victor Brunfaut, Université libre du Bruxelles
- Emilio Caravatti, Emilio e Matteo Caravatti Design Studio
- Mario Cucinella, MCA Mario Cucinella Architects
- Francesca De Filippi, Chair, CRD-PVS, Politecnico di Torino
- Mohamed El Sioufi, UN-Habitat
- Rodney Harber, Harber and Associates
- Tuba Kocaturk, University of Salford
- Giovanni Magnano, Turin Municipality
- Alvaro Mello, Prefeitura de Osasco, São Paolo, Brazil
- Stefano Olivari, Mirafiori Foundation
- Raul Pantaleo, Tamassociati
- Paolo Peris, Collegio costruttori edili, ANCE Torino
- Luca Sampò, Boundaries - International Architectural Magazine
- Luca Trabattoni, Studio ARCò
- Riccardo Vannucci, FARE Studio

Students representatives (CRD-PVS, Politecnico di Torino):
- Grazia Cocina
- Natalia De Silveira Arruda
- Fernando Menéndez Cobelo
- Simone Peditto
- Giovanni Quattrocolo

Each jury panellist vote counts 1 out of 17; students' representatives votes will be expressed with 1 vote out of 17. In the event of a jury panel member being unable to continue to act through illness or any other cause, the promoter reserves the right to appoint an alternative panel member.

11. Selection process and evaluation criteria

In selecting the winners the jury will be looking for:

- Quality of the design solutions.
- Interaction and integration with the ongoing projects.
- Consistency with competition tasks and goals.
- Ability to deliver an exciting vision for the area.
- Originality and novelty in the use of low cost and recycled materials and technologies.
- Sustainability and feasibility of a functional, social and economic program, considering all the phases; communication and involvement of the community before the start, in the design and realization in appropriate parts, day by day normal operational situation, and potential further developments.
- Clarity and quality of the delivery and presentation of ideas.

12. Notification of winners

Following the jury deliberations, results will be published on the official website www.polito.it/turintogreen on the January 21st, 2013. Winners and runners up will be also notified electronically by e-mail address provided during the registration.

www.polito.it/turintogreen
13. Awards

There will be two award winners and four runners up.

The entry selected in first place will be awarded one of the prize packages listed below. The first placed entry or team will be able to choose which prize they prefer. The entry placed in second position will be awarded the remaining option.

Prize set A*: visit and staying in Turin

Free accommodation up to 120 days in shared apartment and up to €1500 allowance to cover travel costs (from participants’ place to Turin and return, under presentation of tickets). In case of a team, 120 days and 1500€ allowance will be shared among group members.

+ 1 year subscription to the magazine Boundaries

Prize set B**: 1 internship (150 hours) in one of the following practice:

Studio ARCò
FARE Studio
MCA Mario Cucinella Architects
Tamassociati
Emilio e Matteo Caravatti Design Studio

In case of a team, each member can only select one internship; each internship can be open to one participant only. Internship will be not paid. Details will be discussed during the organization of the internship.

+ 1 year subscription to the magazine Boundaries

Each of the winners and four runners up will receive a certificate recording their contribution to the competition.

Award winners and runners up entries will be published in a special publication edited by CRD-PVS and other journals and magazines, as well as all the important International and National dissemination media.

*In case the awarded entry is a team effort, the prize will be available for each team member; however the travel cost amount must be shared by team members.

**Each team member can only select internship; each internship can be open to one participant only.

14. Obligations

Registration and submission of entries imply for participants to agree with all the terms and conditions including publication, copyright and intellectual ownership. Participants accept and agree explicitly to the publication of their names without claiming any economic right.

Participants cannot use, disseminate and show their proposal until the jury will announce the results.

A successful competitor must be able to satisfy the judges that he/she is the bona fide author of the design he/she has submitted or has participated to.

www.polito.it/turintogreen
15. Disclaimer

The organization board will be not responsible in any case for delay or cancellation due to unexpected circumstances.

16. Exclusion

Breaking any of the conditions herewith, instructions or deadlines will cause exclusion of an entry. Awards will not be given to teams or individuals not enrolled in an Academic program. Jury panellists, advisory board members, organization staff and their relatives or business partners are excluded.

17. Competition toolkit

At the download area a competition pack will be available for the participants to be downloaded. It comprises of:

- Competition guidelines
- Registration form
- Cartography, images, analysis and video of the area
- Links to existing and ongoing projects in the neighbourhood

18. Additional information

For any additional information and queries contact the competition staff at info@turintogreen.org. Registration team coordination: Serena Pantanetti

19. Privacy statement

Personal information given during registration process will be used in respect of Italian privacy policy [D.lgs. 196/03 Codice in materia di protezione dei dati personali]. By submitting entries, participants’ agree that CRD-PVS will publish and exhibit the results, with all the means and media CRD-PVS will consider suitable. Intellectual property of entries will be owned by the author or authors’ team.