



École des Ponts
ParisTech

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*Éco-Conception des ensembles bâtis
et des infrastructures*

ParisTech
INSTITUT DES SCIENCES ET TECHNOLOGIES
PARIS INSTITUTE OF TECHNOLOGY

En partenariat avec **VINCI** 

Ecole des Ponts ParisTech

« Urban Planning, Environment, Transportation » Department

Study Trip
September 22nd to September 28th 2012

**Provisional Programme
Stockholm – Dunkerque**

Objectives of the trip

This trip intends to help the students develop a critical understanding of some of the key issues related to sustainable cities: eco-conception at different scales (region, city, borough), issues related to energy use in a city (again at different scales), and the use of centralized or decentralized infrastructure networks. One of the main themes of this study trip will be the production, distribution and use of energy in a city, but other themes will also be dealt with when the opportunity arises: issues of waste and wastewater; issues of mobility and transportation....

To tackle our objectives we have chosen Stockholm, and Dunkerque. Stockholm is an interesting choice because it is a city where it is possible to look at sustainability at different scales. The overall context is that Sweden is one of the first countries in the world to actively

strive to become a fossil fuel free country. At the smaller geographic scale of the city region it is possible to analyse the polycentric organization of the city, which is the result of more than 50 years of planning urban growth around public transport (example of satellite towns like Vallingby). Stockholm is also interesting because of its achievement in constructing globally renowned eco-friendly boroughs, like Hammarby Sjöstad or the Royal Sea Port. Finally, Stockholm offers good opportunities to tackle energy and infrastructure issues at different scales.

Dunkerque is a very different example. It a smaller town, of around 100,000 inhabitants, located in the North of France. Yet, it is interesting in many aspects. Firstly, Dunkerque has a voluntary commitment towards Climate Change mitigation and energy consumption reduction. It is involved in different interesting programs such as “Réflexénergie”, a program designed at advising inhabitants on efficient energy uses, through counselling, insulation policy, heating policy, and solar power usage. Another research experiment is called “Anaspat Réges”, which means “Spatial Analysis For Greenhouse Emission Reduction”. Finally, Dunkerque has done a lot in terms of urban renewal, in link with eco-construction.

Saturday September 22nd: Trip from Paris to Stockholm

Flight details :

- ✓ Groupe 1 (34 persons) Air France [AF1062](#)
 - Departure : 16h05 - Aéroport Roissy Charles de Gaulle Terminal 2F
 - Arrival : 18h35 - Stockholm Arlanda Terminal 2
- ✓ Group 2 (7 persons) Scandinavian Airline [SK2572](#)
 - Departure : 17h55 - Aéroport Roissy Charles de Gaulle Terminal 1
 - Arrival : 20h20 Stockholm Arlanda Terminal 5
- ✓ Boarding (Enregistrement) : 2 hours before departure

Transit Airport – Stockholm : Flygbussarna – The Airport Coaches

<https://secure.flygbussarna.se/en/default.asp>

Housing - Hébergement :

STF Fridhemsplan

S:t Eriksgatan 20

112 39 Stockholm

+46 (0)8-653 88 00

info@fridhemsplan.se

<http://www.fridhemsplan.se>

Sunday September 23rd: Free time to visit Stockholm

Monday September 24th - Stockholm

Morning: Stockholm Region: polycentricism, urban development linked to public transport and sustainable development

Meeting point: 08:45 at the Environment and Health Office,

Address: Tekniska nämndhuset, Fleminggatan 4

Contact: *Emily Tjäder*, Director assistant (Gunnar Söderholm +46 8 508 28 810)

Miljöförvaltningen i Stockholm/Stockholm Environment and Health Administration
+46 (0)8-508 28 741 emily.tjader@stockholm.se

- 9:00 – 10 :00 **Current issues of urban planning and the environment**
Pierre Sallenave,
President of the “Urban Planning, Environment, Transportation”
Department of Ecole des Ponts ParisTech and General Director of the
French National Urban Renewal Agency, psallenave@anru.fr
- 10 :00 – 11:00 **The City Plan of Stockholm,**
Christina Leifman, Head of Section, Strategic Planning,
City Planning Administration of Stockholm
+46 (8) 508 272 68 or +46761227268
christina.leifman@sbk.stockholm.se
- 11 :00 – 12 :00 **Health and Environmental issue in Stockholm**
Gunnar Södherolm,
Head of the Environment and Health Administration, Stockholm City
(+46 8 508 28 810), gunnar.soderholm@miljo.stockholm.se

Afternoon : Visit of Hammarby Sjöstad - An eco-friendly part of Town

Meeting point: 14:00 in front of the old project office building

Address: Lumaparksvägen 7, close to the station Luma on the light railway

- 14:15 – 15 :00 **The planning process of Hammarby Sjöstad**
Björn Cederquist
Architect and participant in the planning of Hammarby Sjöstad from the
city management
bjorn.cederquist@stockholm.se (+46 76 12 25 154)
- 15 :00 – 18:00 **Visit of Hammarby Sjöstad**
Björn Cederquist
Architect and participant in the planning of Hammarby Sjöstad from the
city management
bjorn.cederquist@stockholm.se (+46 76 12 25 154)

Infos : http://www.hammarbysjostad.se/inenglish/inenglish_project.asp or
www.stockholm.se/hammarbysjostad or http://www.energy-cities.eu/db/stockholm_579_fr.pdf

Tuesday September 25th - Stockholm

Morning: Field study in Stockholm - The coordination of transport and urbanism in satellite towns

Meeting point: 10:00 Meeting in front of STF Fridhemsplan Hostel

Visit with *Todor Stojanovski*, PhD Candidate, and *Karl Kottenhoff*, Public Transport Professor, KTH, Royal Institute of Technology, todor@kth.se +46 (0)76 218 06 38 and karl.kottenhoff@abe.kth.se +46 (0)8 790 79 17

- 10:00-10:30** Tunnelbana to Vällingby Centrum (30min)
10:30-12:30 **Walk through Vällingby** (first generation of ABC cities 1950-60s)
12:30-13h15 Trunk bus 179 to Kista Centrum (45min)

13:15-14:15 Lunch in Kista Galeria (1h)

Afternoon: Field study in Stockholm (continued): satellite towns

- 14:15-16:15** **Walk through Kista** (second generation of ABC cities 1970-80s, complete separation of the A, B and C elements and heavily influenced by the traffic safety paradigm) (1h Kista's *Work areas* or *Arbetsområde* (A of ABC) and 1h in *Residential areas* or *Bostadsområde* (B of ABC))
16:15-16:45 Trunk bus 178 to Danderyd sjukhus (terminus to the feeder northeastern buses (30min)).
16:45-17:00 **Quick visit to the terminus to the feeder northeastern buses at Danderyd sjukhus** (15min)
17:00-17:05 Trunk bus 176, 177 or 178 to Mörby (5min)
17:05-17:15 Suburban train to Djursholm Ösby (5min)
17:15-17:30 **Quick look on Djursholm, the luxurious villa city from the end of the 19th century which inspired the Stockholm's satellite cities** (15min)
17:30-17:40 Suburban train from Djursholm to Östra station/KTH (suburban railway terminus) (10min)

Wednesday September 26th – Stockholm

Morning : Energy, climate and networks for a sustainable city

Meeting point: Stockholm County Administrative Board, Hantverkargatan 29

09:00 -10:30 **Stockholm County's Climate and Energy Strategy and Climate Adaptation in Stockholm**

Lagerblad Lovisa and Anna-Lena Lökvist Andersen

Stockholm County Administrative Board

[Lovisa.Lagerblad@lansstyrelsen.se](mailto: Lovisa.Lagerblad@lansstyrelsen.se) and anna-lena.lovkvist.andersen@lansstyrelsen.se

10 :30 – 12 :00 **The urban heating system of Stockholm**

- Energy and town planning
- Free discussion with students

Jonathan Rutherford, researcher, LATTIS (Technics, regional planning and society research centre)

jonathan.rutherford@enpc.fr

Afternoon : free visit to Stockholm

Thursday September 27th - Dunkerque

Morning : Trip from Stockholm to Dunkerque

Flight details :

- ✓ Groupe 1 (34 persons) Air France [AF1463](#)
 - Departure : 6h50 - Stockholm Arlanda Terminal 2
 - Arrival : 9h30 - Aéroport Roissy Charles de Gaulle Terminal 2F
- ✓ Group 2 (7 persons) Scandinavian Airline [SK573](#)
 - Departure : 7h15- Stockholm Arlanda Terminal 5
 - Arrival : 9h50 Aéroport Roissy Charles de Gaulle Terminal 1

- ✓ Boarding (Enregistrement) : 1,5 hours before departure

RER B From Charles de Gaulle to Gare du Nord (direct train)

Train Details:

- **Departure:** TGV Nord 7321 12h52 at Gare du Nord
- **Arrival:** 15h04 à Dunkerque
- **Boarding (Embarquement)** ½ h before;

Hébergement: (Aller-retour Gare-Auberge avec navette Dk'Bus)

AUBERGE DE JEUNESSE l'Escale, Quartier du grand large
351 Avenue des bancs de Flandres, 59140 DUNKERQUE
Téléphone : 03 28 63 36 34

Afternoon: Urban renewal in Dunkerque

Meeting point: Départ de la visite depuis le parvis de la gare de Dunkerque

Address: (organisation : Jacky Hubert, 06-33-67-05-70 ; jacky.hubert@tud.fr)

More info see : <http://www.ville-dunkerque.fr/fr/je-vis-adunkerque/les-quartiers/dunkerque-sud/jeu-de-mail-carre-de-la-vieille-renovation-urbaine/index.html>

16:00-17:15

Visit of the “Jeu de Mail” and “Carré de la Vieille” borough

Jean-Damien GUILLOY, Directeur du Projet de Rénovation Urbaine,
Ville de Dunkerque, jdguilloy@ville-dunkerque.fr (06-74-85-02-18)
Anne-Cécile GAUTIER, Directrice de la Mairie de Quartier de
Dunkerque Sud
Adeline DENDAL, Chargée de Mission Peuplement/Relogement, Ville de
Dunkerque (sous réserve)

17:15-18:30

Echange/débat à la Maison de la Vie Associative (M.V.A.)

Raynaldo FORTUN, Directeur Général Adjoint Développement et
Grands Projets, Ville de Dunkerque
Sylvestre DELCAMBRE, Chef de la Délégation Territoriale des Flandres,
Direction Départementale des Territoires et de la Mer,
sylvestre.delcambre@nord.gouv.fr (03-28-24-44-36 ou 06-63-31-46-61)
Jean-Damien GUILLOY
Julian CAPILLI, Chef de Projet, Direction de la Planification Urbaine et
de l'Aménagement, Communauté Urbaine de Dunkerque

Friday September 28th – Dunkerque

Morning : Energy issues in Dunkerque

Meeting point: Communauté urbaine de Dunkerque - Pertuis de la Marine (salle des commissions 1 + 3) (organisation : Jacky Hubert, 06-33-67-05-70 ; [jacky.hubert@cud.fr](mailto:jacky.hubert@ cud.fr))
More info: <http://www.communaute-urbaine-dunkerque.fr/fr/competences/energie/index.html>

09 :30 -10 30 The energy policy of Dunkerque’s Urban Community : what can a city do to meet climate change challenges ?

Louardi Boughedada,

City Councillor, Vice-President of Dunkerque Urban Community in charge of energy, sustainable development and climate change.

10 :30– 12 :00 “Anast Régest” or “Spatial Analysis For Greenhouse Emission Reduction” : what consequences of this research project on local policy?

Frédéric Mabile,

Directeur de l’Energie, frederick.mabile@cud.fr (03-28-23-69-50)

The “réflexénergie” policy

Arnaud Duquenoy,

Chef de Service Utilisation Rationnelle de l’Energie, CUD,

arnaud.duquenoy@cud.fr

12:00-13:30 : Lunch

Afternoon : A global vision of planning and energy issues in Dunkerque

Meeting point: Dunkerque’s Urban Community - Pertuis de la Marine (salle des commissions 1 + 3) (organisation : Jacky Hubert, 06-33-67-05-70 ; jacky.hubert@cud.fr)

14 :00 -16 : 00 How to meet the sustainable development challenge for Dunkerque in 2020? (urban planning, energy, transports, urban renewal...)

Michel Delebarre

Dunkerque’s Mayor, President of Dunkerque Urban Community, and former Minister.

(contact: abourdon@ville-dunkerque.fr – 03-28-26-26-33)

More info: <http://www.communaute-urbaine-dunkerque.fr/>

(récupération des bagages à l’auberge de jeunesse vers 17h00-17h30)

18:30: Return to Paris by train.

- **Departure:** TGV 7288: 18h35
- **Arrival:** Paris Gare du Nord 20h17

Contacts :

Joachim Broomberg : joachim.broomberg@enpc.fr ; 06-68-51-01-72 (Stockholm-Dunkerque)

Jonathan Rutherford: jonathan.rutherford@enpc.fr ; 06-76-58-70-28 (Stockholm)

Zoi Christoforou: zoi.christoforou@enpc.fr ; (Dunkerque)