

1. From previous paragraphs are evident raw links between sustainability and transportation. A division of the concept to three basic fields like the environment, economy and society follows the same structure widely used in a discussion about a sustainable development. Rodrigue (2006) use another possible division: top-down and bottom-up approach to the sustainability. According to Rodrigue, top-down approach requires the promotion of policies and planning tools used by an international community and national governments to implement regulations and options for the sustainable development. Bottom-up approach focuses on the role of transport firms to reduce environmental impacts of their activities based on their analysis of operating conditions. From that distinction is apparent that transport planning as a tool of local governments is strongly related with the first approach – a top-down approach.

2. Because of the rising spectrum of fungal pathogens, panfungal PCR could be a favourable method. So far, it is mostly utilized when primarily sterile material is examined [8-10]. However, as pulmonary disease is the most prominent manifestation of IFD, one of the most frequently tested materials is fluid from BAL. So far, to diagnose invasive aspergillosis (IA) and invasive mucormycosis (IM) from BAL mostly genus/species specific PCR is used [11-13]. However, support of the use of panfungal PCR as a diagnostic tool of IFD from BAL samples is missing in the literature. BAL is a primarily non-sterile material and thus interpreting a positive panfungal PCR result can be difficult. It is important to distinguish ongoing infection from the colonization of airways with non-pathogenic species and/or, possible contamination with environmental fungi. Sequencing the obtained PCR product is therefore necessary, but it is costly and time consuming and mixed sequences are frequently detected in primarily non-sterile material.

**3.** Tacit knowledge is connected with Polanyi's claim "We know more than we can tell" (Polanyi, 1983, p. 4), by which he expresses the nature of tacit knowledge. As a typical example of tacit knowledge is riding a bicycle, because we are able to ride the bicycle, but we cannot tell how. Tacit knowledge is individual and it is formed by mutual interaction with surrounding and by searching for balance between subjects and surrounding. Tacit knowledge is conceptualized in relation to explicit knowledge. (Ambrosiny & Bowman, 2001; Taylor, 2007). Basically, the less realised knowledge, the closer to tacit part.

**4.** Recent reports suggest that initial treatment with anticoagulation and heparin for one to several weeks is appropriate. A review of 145 cases found that medical treatment has less risks and less benefits as compared to surgery, and lead to thrombus dissolution in 86% of patients (11). In a serie of 24 patients managed with initial anticoagulation, no patient suffered a stroke during medical therapy, 14/24 patients were managed with medical therapy alone, and 10/24 patients were succesfully treated with delayed surgery (13).

**5.** The motivation behind the selection of the topic follows from plural factors. Although the topic of football hooliganism is generally over-researched, for the policy against football-related violence and more for comparison of the policies in several countries it is not the case. Besides, the EU is now quite successful in cooperation in the „area of freedom, security and justice“, which makes it useful to find out how much the policies against football-related violence of both units are actually intertwined, and even more with France as one of the leading countries in the EU.

**6.** Writing is everyday routine for most of us. But in ordinary life the handwriting is not using so often than keyboard typing. This trend is quickly developing and keyboard typing maybe will substitute classical writing with pen and paper.

In this paper is described first resolution of our pilot fMRI study of handwriting and keyboard typing. The aim of this study is mapping areas in brain, activated during writing – handwriting with pen and paper and keyboard typing, our attention is oriented to peripheral processes of writing. In a sample of fourteen participants we tried to find differences in these processes.

**7.** The software will face other future challenges as well. The timing the animations of the NEWRON character has been discussed with psychologists. Nevertheless, it may show during the testing of the application that the animations are generally slower than needed for the children with ASD. The NEWRON character may get more active when such assumption proves to be true. Another very promising area to be tested out is the facial animation of the guide. A number of distinct appearances of the main character have been created and those will be incorporated in the software as well. The reason to do so is the research on the reactions of the children on different visual representations of the same character.

**8.** The nowadays media usually work on a daily basis or even on a 24/7 cycle. At the same time it also means that the media still need new information they can communicate, or even better for them, a wide flow of information from which they can choose the best fitting ones to use for their stories according to the agenda-setting criteria. This means the cooperation between media and legal system, too. In this essay, the focus is laid on particular cooperation or non-cooperation between media and judiciary: how do they cooperate? What can it mean

for society and bring back to the judicial system? What is the typical behaviour of judges and media when they meet?

**9.** All of the analysed fabrics are very fine with predominance of calcaceous matrix, fired in oxidizing atmosphere. Petrographical composition and technological characteristics are described in table 2.

Fabrics observed are petrographically rather similar with dominance of subrounded quartz grains, silicites, micas (both muscovite and biotite), sometimes with traces or a small amount of feldspars, amphibole and zircon. All of the fabrics except EC413 and 416b contains more or less fragments of red radiolarites.

**10.** Data on thiamine metabolism in pregnancy complicated by diabetes is scarce so far. Several studies showed decreased levels of thiamine in diabetic patients [5-7] and several studies have demonstrated increased thiamine requirements during pregnancy usually based on measurement of activation coefficient of erythrocyte TKT. We confirmed that pregnancy is accompanied by increased requirements for thiamine which is reflected by decreased plasma thiamine (adjusted to BMI), increased erythrocyte TDP and decreased T/TDP ratio in mid-trimester compared to postpartum in both groups.

**11.** The Arctic has been attracting more and more attention in recent years. The growing interest has been manifested not only by so-called “Arctic Five” states, namely Russia, Canada, Norway, Denmark and the USA, but also by countries, which are geographically not directly linked to the Arctic, such as China, India, Japan or Singapore. These non-Arctic states see a huge commercial potential in the northern territories, mainly connected to transportation. Importance of non-Arctic states has been increased by the Arctic Council, which granted them an observer status. As observers they are invited to the meetings of the Arctic Council and they could make

relevant contributions through their engagement in this organization.

**12.** In my dissertation research I would like to prove the involvement of innate immunity particularly the complement system in pathogenesis of ROP by measuring and charting values of several components of complement system from peripheral blood of premature infants. I will compare three groups of babies: the first group of premature infants who will not suffer from retinopathy, the second group of premature infants with some stage of retinopathy and the third control group of healthy newborns born at term. I will compare levels of complement, changes over time, correlation between stage and severity of ROP and levels of complement. Following the recent research on mouse model we suppose that complement-deficient babies reveal increased pathological retinal angiogenesis. During my research I will contribute to examination, diagnosing and treatment of premature infants with ROP.

**13.** The presented case study is founded on twenty semi-structured interviews. Their duration was about one-hour and all were after permission recorded. I analysed the transcriptions. The set of twenty interviews composes of eight interviews with people based in a headquarters of concerned company. Specifically with two near-shoring managers, two process managers responsible for near-shored activities, one department and project manager concerned by the transfer of activities, one trade union representative and two members of process management team assigned to the near-shoring. The rest of interviews was conducted in the shared services center with one on-boarding manager, two department managers, two team leaders, two coordinators and selected team's members.

**14.** There are various sources of compounds with ED potency in the aquatic environment and their identification is difficult (Gong et al., 2014). Compounds of both anthropogenic and natural origin can contribute to the disruption of the endocrine system in organisms, which could lead to adverse changes in reproduction, the immune system, development and other physiological processes in both vertebrates and invertebrates (EFSA Scientific Committee, 2013; Kortenkamp et al., 2012). Several recent studies have indicated the presence of compounds with endocrine disruptive properties in extracts and exudates (extracellularly produced metabolites) of cyanobacteria and algae (Kaya et al., 2011; Klejdus et al., 2010; Stěpánková et al., 2011; Wu et al., 2012; Essa and Fathy, 2013). Nevertheless, evidence of endocrine disruptive (ED) effects of compounds produced by cyanobacteria species are limited.