FORMWELT KERNEL EXPLICATIONS

by Ralf Peyn, 25. 12. 2015

25 years ago I became increasingly disturbed and annoyed by the vagueness of conventional language, so I started out to find a remedy for this predicament: I developed FORMWELT.

FORMWELT is a linguistic system based on injunction to acquire definition. Its linguistic kernel consists of about 320 references: you might think of them as words with concrete meaning which explain each other without any gaps that could hinder the flow of information and construction of precise sense. The kernel is semantically self-sufficient. It contains the basic concepts which are needed to describe any thinkable or perceivable phenomenon. Using the FORMWELT kernel you can say what can be said clearly and do what can be done oriented by a meaningful description. FORMWELT doesn't produce verbal mumbo-jumbo, it always provides exits to empirical or practical or mental experience: so that you can understand what you say, do what you say and see, feel, hear, taste or smell the results of your descriptions.

How can this work, you ask? - Well, imagine what a clear and uncomplicated mind can conceive and accomplish.

Language is based on distinction and decision, decision over decision produces structure, structure sorts experience, describes yourself and the other, helps to construct new experiences, to find data, to generate information and ideas, to check your models and your view of the world for practicability, consistency and effectiveness.

To experience using an injunction means to learn by contingency and to find diverse functionally equivalent ways to realize the injunction.

FORMWELT provides a language that can be spoken just as conventional language. As a matter of fact it builds on the language we speak every day and improves on it, as every user can improve on it further.

FORMWELT is not an artificially constructed hybrid language. FORMWELT is spoken in the existing languages of our world, but the results of interactions based on language programmed by FORMWELT will be better coordinated, less prone to misunderstanding and failure, more precise and much more in accord to the plans of the individuals who use it to realize their plans.

> "As a creative tool FORMWELT opens up new ways of self-description, perception, action and conceptualizing your view of the world and the universe and especially your view of the living beings you are sharing this planet with." — Ralf Löffler Peyn

As a creative tool FORMWELT opens up new ways of self-description, perception, action and conceptualizing your view of the world and the universe and especially your view of the living beings you are sharing this planet with.

So, how does it work?

The kernel consists of references, each reference is a rather short relation of words: a label pointing to its referent, which is (for the most part) built of labels pointing to their referents.

Selfsufficiency of the kernel means that it only uses words which are either referenced within the kernel or can be understood by most simple and common cognitive or practical concepts.

Each reference provides an instruction or a rule. When you follow the references you will move within a most complex web of cognition and practice (operation). In following a referent you will produce your own experiences with this specific part of the cognitive web, you will learn and understand increasingly and from diverse points of view. You will be able to reproduce and communicate the data, experiences, cognitions and operations you have produced in your work with this verbal net by using your own set of labels to describe them. Others will understand you because your labels are their entrances to the net to make their compatible experiences.

The references within the kernel of FORMWELT are organized in modules. Each module provides you with the tools to perform a specific and most basic cognitive or analytical or operative function. The understanding of and the capability to use FORMWELT does not spring from learning single references by heart but it grows by utilizing the parts of its reference system which are in your actual situation helpful to understand and express yourself.

I suppose 40% or more of the kernel could be understood by a child under the age of 12, the rest he or she should be able to comprehend during the following 6 years of their life. Although it might be that some concepts stay out of his/her

cognitive reach. If so it should not pose to much of a difficulty because the parts of FORMWELT she/he can manage will work anyway.

The real power of FORMWELT unfolds by putting the kernel to use in your mind and in your communication with others: You will be able to describe the complexity of the world precisely. You will be able to develop new and meaningful concepts. Using the kernel you can develop own or consensual reference systems to describe new PERSPECTIVES, thus program your own language and in teamwork with others your project specific language.

Applications

I suppose you realize that the features I have described so far are applications in themselves. Here are some further ideas:

Communication – this is the main concern of FORMWELT to help people to understand themselves, their world and each other and to develop effective means to communicate with each other. Using FORMWELT the amount of misunderstandings and failure by vague language and empty word bubbles will be dramatically reduced. People will get more direct access to their own ideas and to the ideas of others and so they can coordinate their interactions more reliantly.

Another application might be found in **translation:** since FORMWELT is quite formalized, labels can be exchanged almost like variable names in a program, the structure of the meaning should remain unharmed. Using this advantage it could be easily possible to transpose/translate reference systems based on FORMWELT from one natural language into another. This way people could work together although they think and speak in different languages. But I do not think FORMWELT should be used to further automatize communication because in the end this could only mean to get rid of the individual, FORMWELT should rather be used to support the individual in her/his capability to widen his/her communication skills by learning more languages.

Education – imagine clear spoken learning materials that help us from our early days on to learn with pleasure as much as we like as fast as we can without the ever lurking demon of vagueness always using its chance to jostle us into the deep and dark abyss of misunderstanding and foolish narrow-mindedness. Must I say more?

Science – scientific teams can develop their project specific language clearly and effectively when based on FORMWELT. Descriptions of scientific views can be reviewed based on FORMWELT. Most certainly ways can be found to improve them and maybe we even find some important things we have overseen so far because we could not get a clear view from the angle we needed.

Business – every business company can be run much more efficiently if the communication between co-workers and between management and staff is as sound and as precise as possible and what maybe even more important if it can be debugged when necessary.

Data and Information Management (internet utilization) – the concepts of FORMWELT are especially useful to organize information, they can be adapted to improve internet search functionality. Further: a simple tool that links the texts you are writing or reading to your reference systems could prove very helpful.

Thinking and Intelligence – FORMWELT is a new way of thinking and this will improve intelligence. So far incorporated in FORMWELT are concepts of mathematics, logic, model theory, science theory, information theory, system theory, sociology, philosophical constructivism, etc.

AI **and Robotics –** FORMWELT delivers the intellectual means to develop an interface that can help a human being to recreate and simulate parts of his/her mind using a computer. Those computer aided constructs can augment her/his daily experiences and proceedings. Moving on from here it might become possible to simulate complex and meaningful maybe even self-referential or self-conscious communication behavior in a machine.

Another in a way built-in application of FORMWELT is **language based behavior research** analyzing the user activities on an internet service for FORMWELT.

CONTACT

Postal adress for proposals and requests

Gitta & Ralf Peyn

Im Anger 18
29439 Lüchow, Germany

phone: +49 5841 – 97 37 130

www.formwelt.info

General inquiries, suggestions or ideas:
   contact@formwelt.info

Scientific and business proposals:
   gitta.peyn@formwelt.info

Lectures, presentations:
   contact@formwelt.info

Press:
   press@formwelt.info