

Dive Log Pool – A database for collecting dive-data

Møllerløkken A, Hundseth T and Brubakk AO

Baromedical and Environmental Physiology Group, NTNU, Trondheim Norway

Introduction:

The Norwegian Labour Inspection Authority is responsible for inshore commercial diving in Norway, and during revision of their diving regulations, they put up the question if one should allow for the use of dive computers in professional diving? Through a research project between the Baromedical and Enviornmental Physiology Group and the Norwegian Labour Inspection Authority, we aimed at finding criterias for how to validate dive computers. One part of this project has been to establish a database in order to make dive data available for scientific purposes.

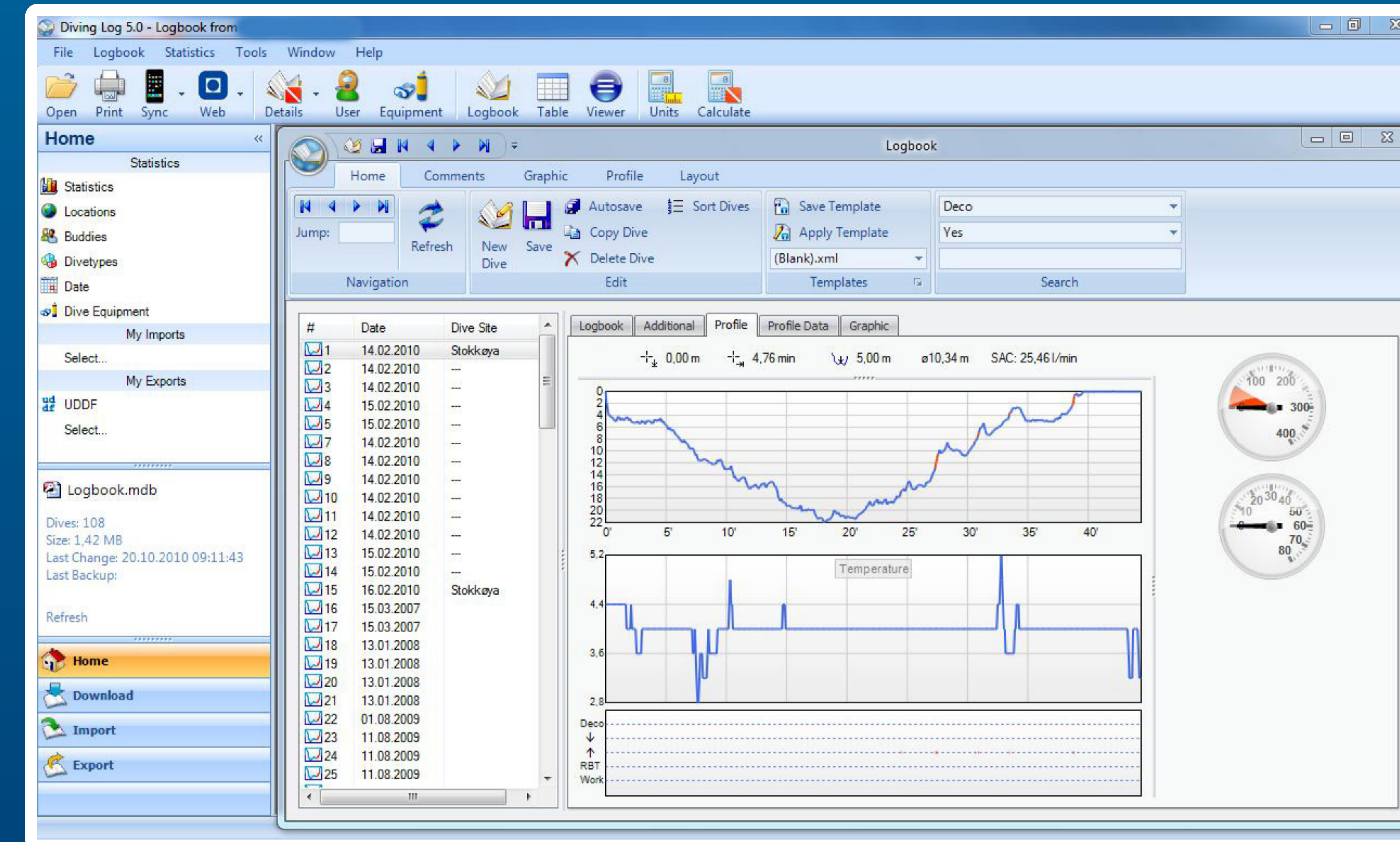
Materials and Methods:

Dive Log Pool is based on MySQL, PHP and Javascript.

MySQL is a well-used data base on the web. It is easy to use, free and has a high performance in terms of price and hardware requirement.

PHP is a well-known and often used (server-side) programming language in the development of dynamic web pages.

Javascript is often used in adding dynamic elements to web pages executed from the client computer.



Menu

Add Dive

My Logbooks

My Account

Search

Research Projects

Logged in as

First Name Last Name

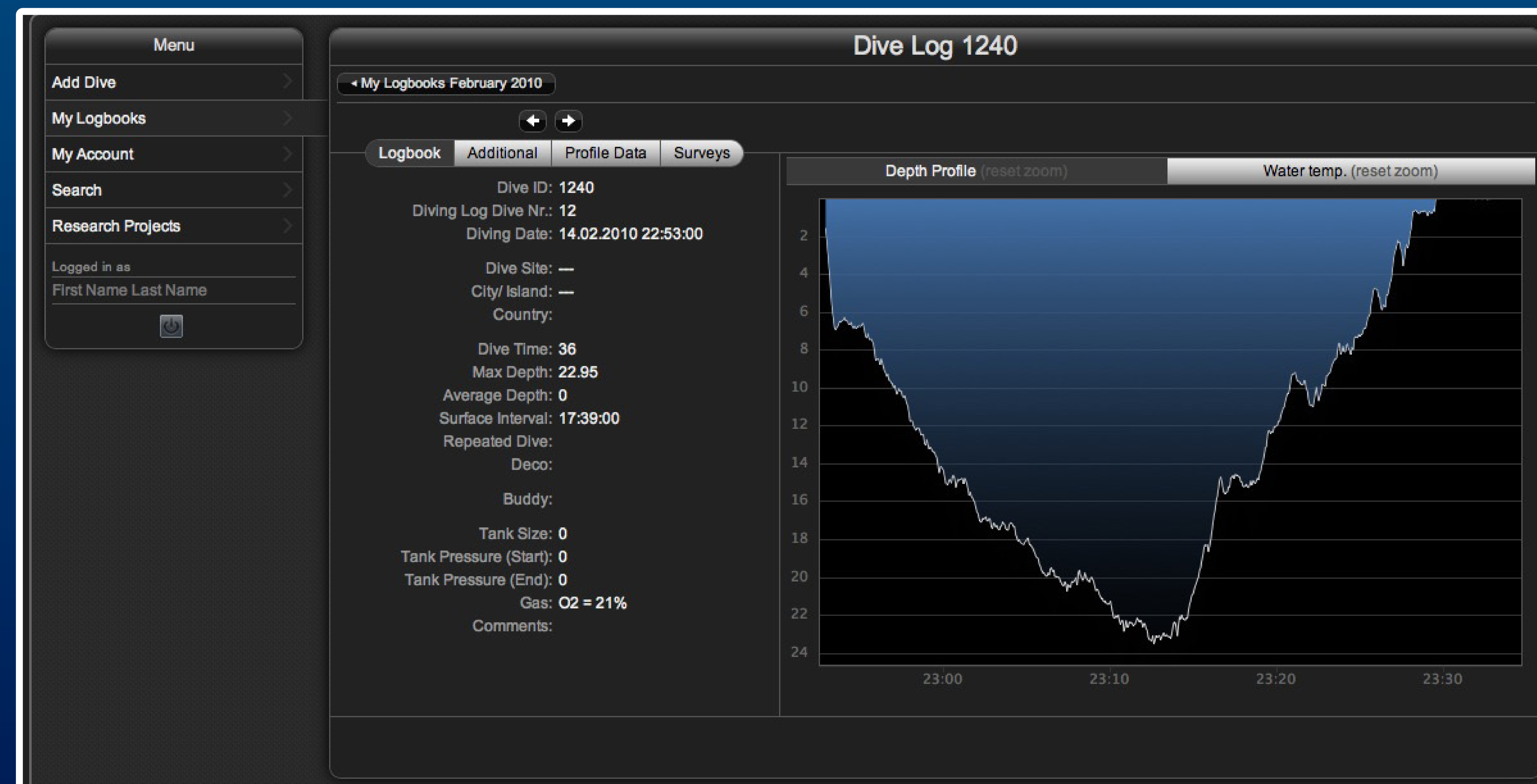
My Logbooks 2010

201001 - 12

Results: 14

Page 1 of 2

Dive ID	Date	DL Nr.	Dive Time	Max Depth	Avg. Depth	Gas	Deco.	Surface Int.	Action
1243	16.02.2010 02:38:00	15	27 min	46.8 m	15.89 m	O2 = 21%		03:42:00	
1242	15.02.2010 22:18:00	14	37 min	28.66 m	0 m	O2 = 21%		17:46:00	
1241	15.02.2010 04:03:00	13	29 min	31.49 m	0 m	O2 = 21%		04:34:00	
1240	14.02.2010 22:53:00	12	36 min	22.95 m	0 m	O2 = 21%		17:39:00	
1239	14.02.2010 04:41:00	11	32 min	17.11 m	0 m	O2 = 21%		02:58:00	
1238	14.02.2010 01:03:00	10	39 min	21.58 m	0 m	O2 = 21%		00:00:00	
1237	14.02.2010 22:51:00	9	30 min	21.8 m	12.01 m	O2 = 21%		17:38:00	
1236	14.02.2010 04:37:00	8	36 min	18.71 m	0 m	O2 = 21%		02:58:00	
1235	14.02.2010 01:01:00	7	37 min	20.76 m	0 m	O2 = 21%		00:00:00	
1234	15.02.2010 22:18:00	5	37 min	28.7 m	14.46 m	O2 = 21%		17:46:00	



Results:

This resulted in a system called Dive Log Pool (www.divepool.com). Dive Log Pool is a web-based database system which communicates with the PC-program Diving Log 5.0.

Summary / Conclusion:

Diving Log 5.0 is a diving log program which is capable of collecting data from more than 100 different diving computers and synchronize these data against Dive Log Pool. This gives a system which is able to gather data from different computers in one database. This makes it easier to compare data from different computers.