JavaCro

IS HISTORY TEACHING US THAT AGILE IS DEAD?

JavaCro

@RROIC

JAVA DEVELOPER
„AGILE CROATIA" BOARD MEMBER
MANAGING SOFWARE DELIVERY @KING-ICT
ROCK CLIMBING
WRITING A BOOK ON AGILE

ROKO.ROIC@KING-ICT.HR

JavaCro


Agilni
razvoj
softvera
Najbolje prakse u
Scrumu,
Leanu i
Extreme Programmingu
VOUCHER
20%

JavaCro

METHODOLOGY

”A SET OF METHODS, RULES, OR IDEAS THAT ARE IMPORTANT IN A SCIENCE OR ART : A PARTICULAR PROCEDURE OR SET OF PROCEDURES”*

* MERRIAM-WEBSTER DICTIONARY

JavaCro

TECHNOLOGY

”THAT COOL THING WE USE FOR OUR PROJECTS”*

* EVERY DEVELOPER EVER

JavaCro

WHY METHODOLOGY?

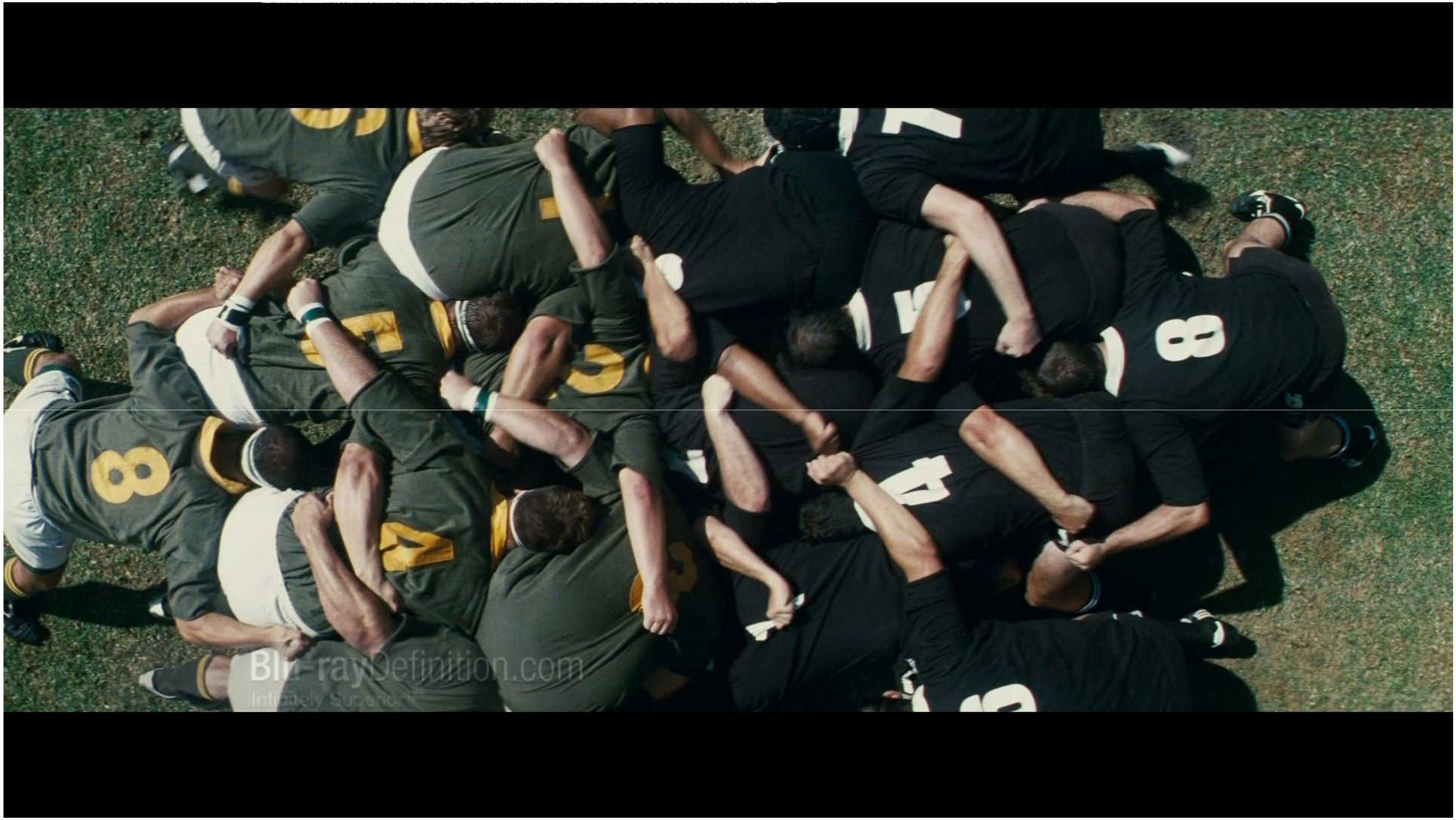
NO SINGLE DEVELOPER CAN DELIVER LARGE PROJECTS IN REASONABLE TIME

THE SOLUTION

FORM A TEAM OF PEOPLE TO DO THE JOB.

JavaCro

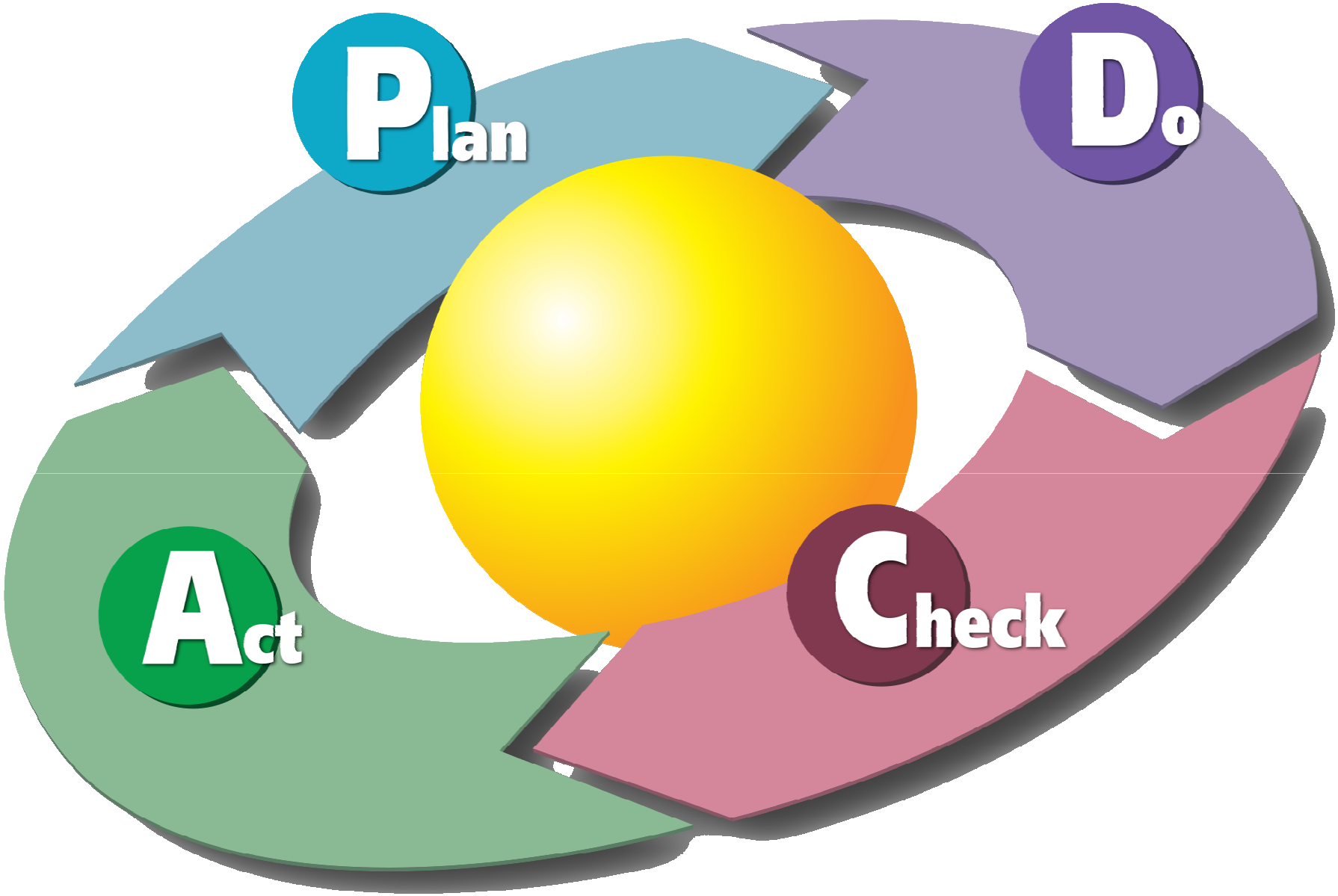
WHICH BRINGS US TO FORMATION


Blu-rayDefinition.com

JavaCro

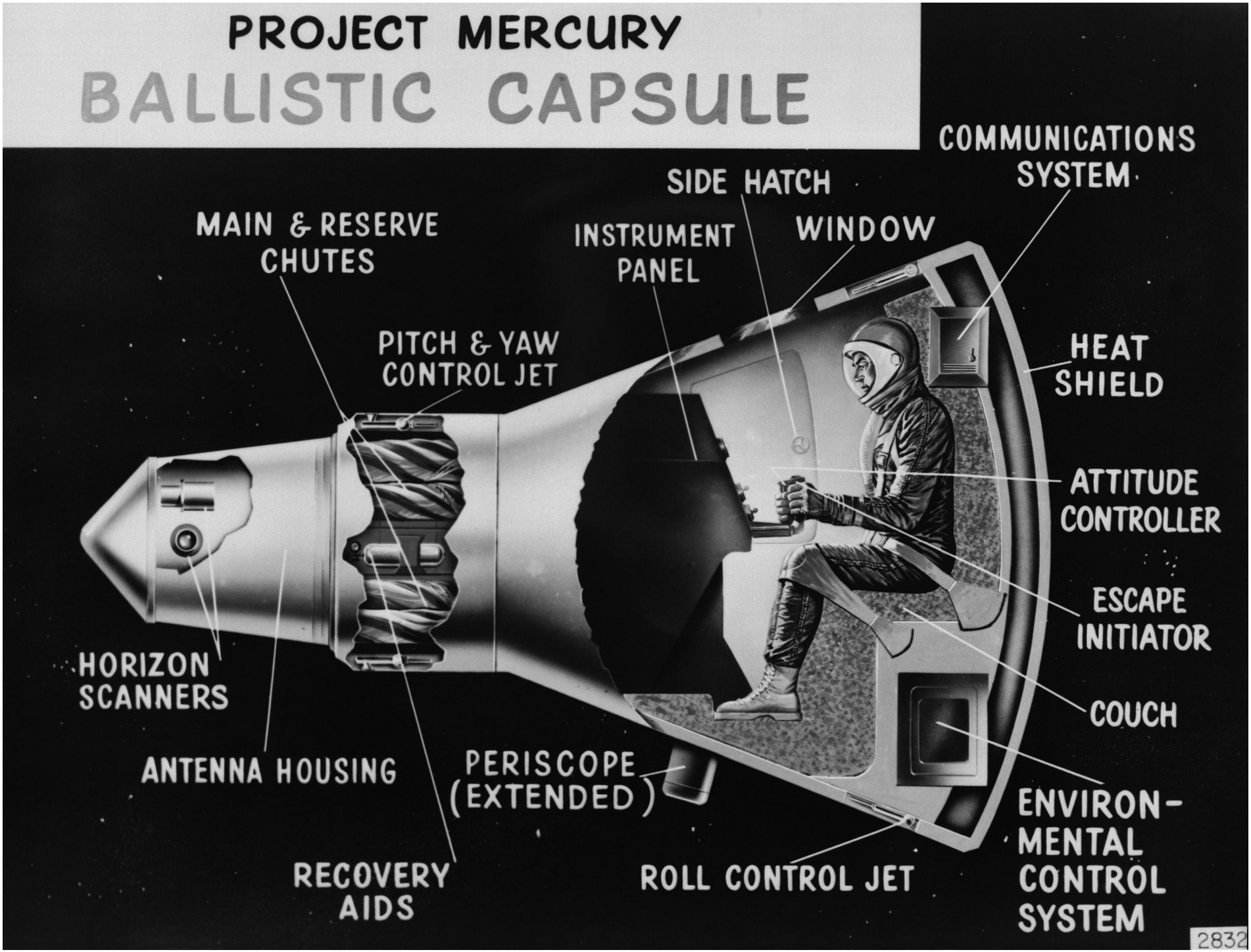
THE HISTORY OF SOFTWARE DEVELOPMENT METHODS

1960’S



PROJECT MERCURY

BALLISTIC CAPSULE



JavaCro

MEANTIME IN TECHNOLOGY:

COBOL, FORTRAN, PL/1, LISP, AGOLA, SMALLTALK, BASIC, A, B, LOGO

1970’S

MANAGING THE DEVELOPMENT OF LARGE SOFTWARE SYSTEMS

Dr. Winston W. Royce

INTRODUCTION

I am going to describe my personal views about managing large software developments. I have had various assignments during the past nine years, mostly concerned with the development of software packages for spacecraft mission planning, commanding and post-flight analysis. In these assignments I have experienced different degrees of success with respect to arriving at an operational state, on-time, and within costs. I have become prejudiced by my experiences and I am going to relate some of these prejudices in this presentation.

COMPUTER PROGRAM DEVELOPMENT FUNCTIONS

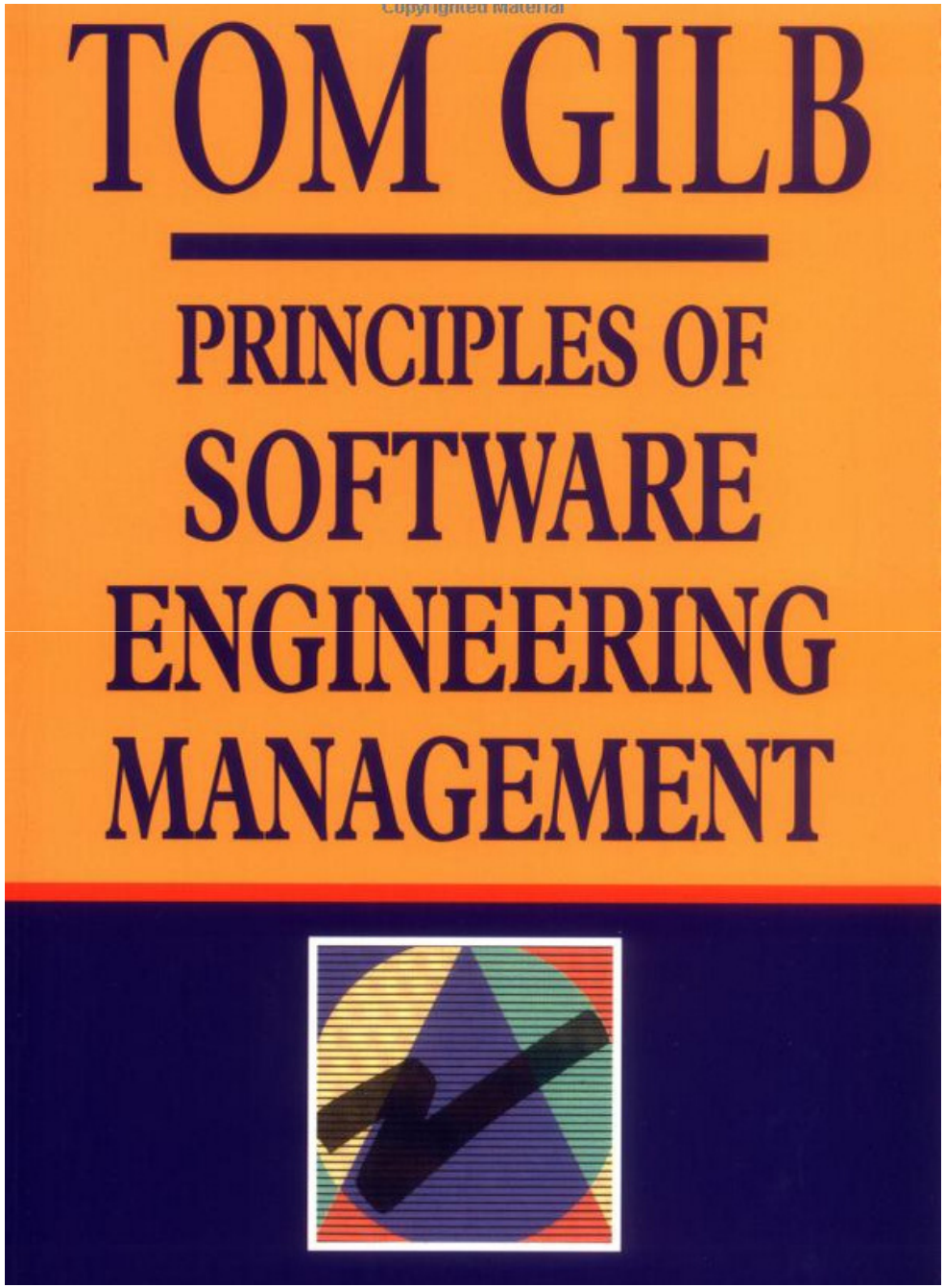
There are two essential steps common to all computer program developments, regardless of size or complexity. There is first an analysis step, followed second by a coding step as depicted in Figure 1. This sort of very simple implementation concept is in fact all that is required if the effort is sufficiently small and if the final product is to be operated by those who built it — as is typically done with computer programs for internal use. It is also the kind of development effort for which most customers are happy to pay, since both steps involve genuinely creative work which directly contributes to the usefulness of the final product. An implementation plan to manufacture larger software systems, and keyed only to these steps, however, is doomed to failure. Many additional development steps are required, none contribute as directly to the final product as analysis and coding, and all drive up the development costs. Customer personnel typically would rather not pay for them, and development personnel would rather not implement them. The prime function of management is to sell these concepts to both groups and then enforce compliance on the part of development personnel.

JavaCro

MEANTIME IN TECHNOLOGY: C, PASCAL, MODULA, AWK, ADA, MS BASIC

1980'S


DEPARTMENT OF DEFENSE
UNITED STATES OF AMERICA


Copyrighted Material
TOM GILB
PRINCIPLES OF
SOFTWARE
ENGINEERING
MANAGEMENT

JavaCro

MEANTIME IN TECHNOLOGY:

SMALLTALK, OBJECTIVE C, C++, SELF, EIFFEL, PERL, SML

JavaCro

1990-2000'S

JavaCro

FIRST OF ALL, MONEY

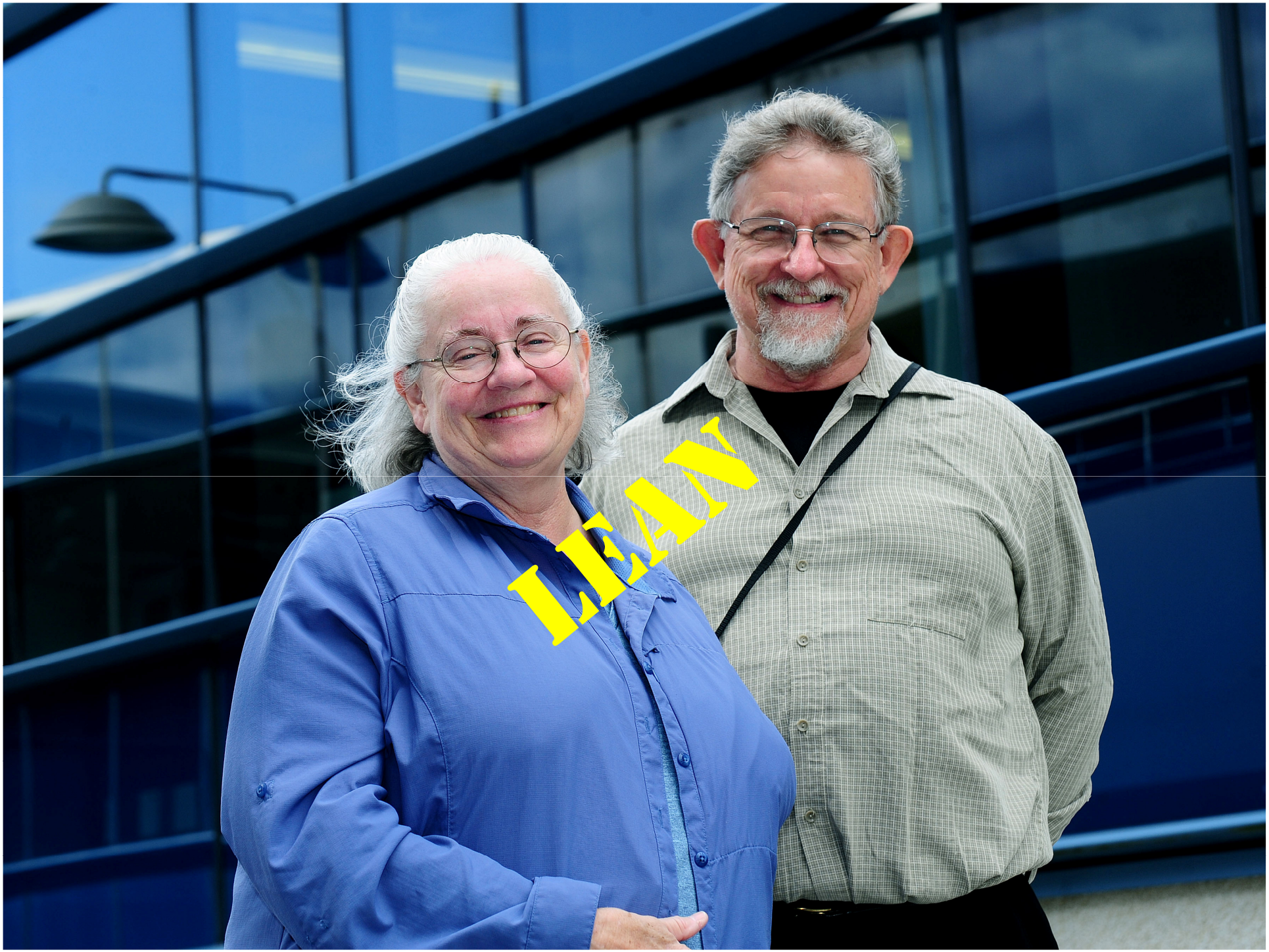
JavaCro


SCRUM

JavaCro


Kent Beck
Mike Beedle
Arie van Bennekum
Alistair Cockburn
Ward Cunningham
Martin Fowler
James Grenning
Jim High
Andrew Hunt
Ron Jeffries
Jon Kern
+ 'The Lodge' at Snowbird Ski
17 Thinkers = Agile Manifesto
Brian Marick
Bob Martin
Stephen Mellor
Jeff Sutherland
Ken Schwaber
Dave Thomas
AGILE


REFACTORING


LEAN


KANBAN

JavaCro

YOU GET THE PICTURE (PUN INTENDED)

JavaCro

MEANTIME IN TECHNOLOGY:

HASKELL, JAVA, PYTHON, RUBY, JAVASCRIPT, C#, VB, DELPHI, SCALA

JavaCro

WHAT DOES THE FUTURE BRING FOR METHODS?

JavaCro

CHANGE IS A JOURNEY, IT IS NOT SOMETHING THAT TAKES PLACE AND FINISHES

JavaCro

METHODS ARE AT THE MATURITY LEVEL OF 1970S DEVELOPMENT LANGUAGES

THERE IS NO PROOF WHICH METHOD IS BETTER, NO REAL DATA

JavaCro

BASED ON THE „WATERFALL ACCIDENT”, CAN WE ASSUME THAT SCRUM IS AN ACCIDENT?

JavaCro

WE CAN SAFELY ASSUME THAT THE BETTER METHOD IS COMING

JavaCro

Q&A

ROKO.ROIC@KING-ICT.HR
@RROIC