

***O MERCADO  
LATINOAMERICANO DE  
DESENVOLVIMENTO DE  
SOFTWARE***

***Instituto de Tecnologia de Software  
25 de novembro de 2003  
São Paulo - SP***



# *Agenda*



# *Agenda*

 ***Apresentação de pesquisas latino-americanas***

 ***Análise de resultados referentes a:***

***Tamanho das Equipes***

***Visão dos Fornecedores***

***Sistemas Operacionais***

***Bases de Dados***

***Linguagens de Programação***

***Tecnologias de base***

***Participação em Associações***

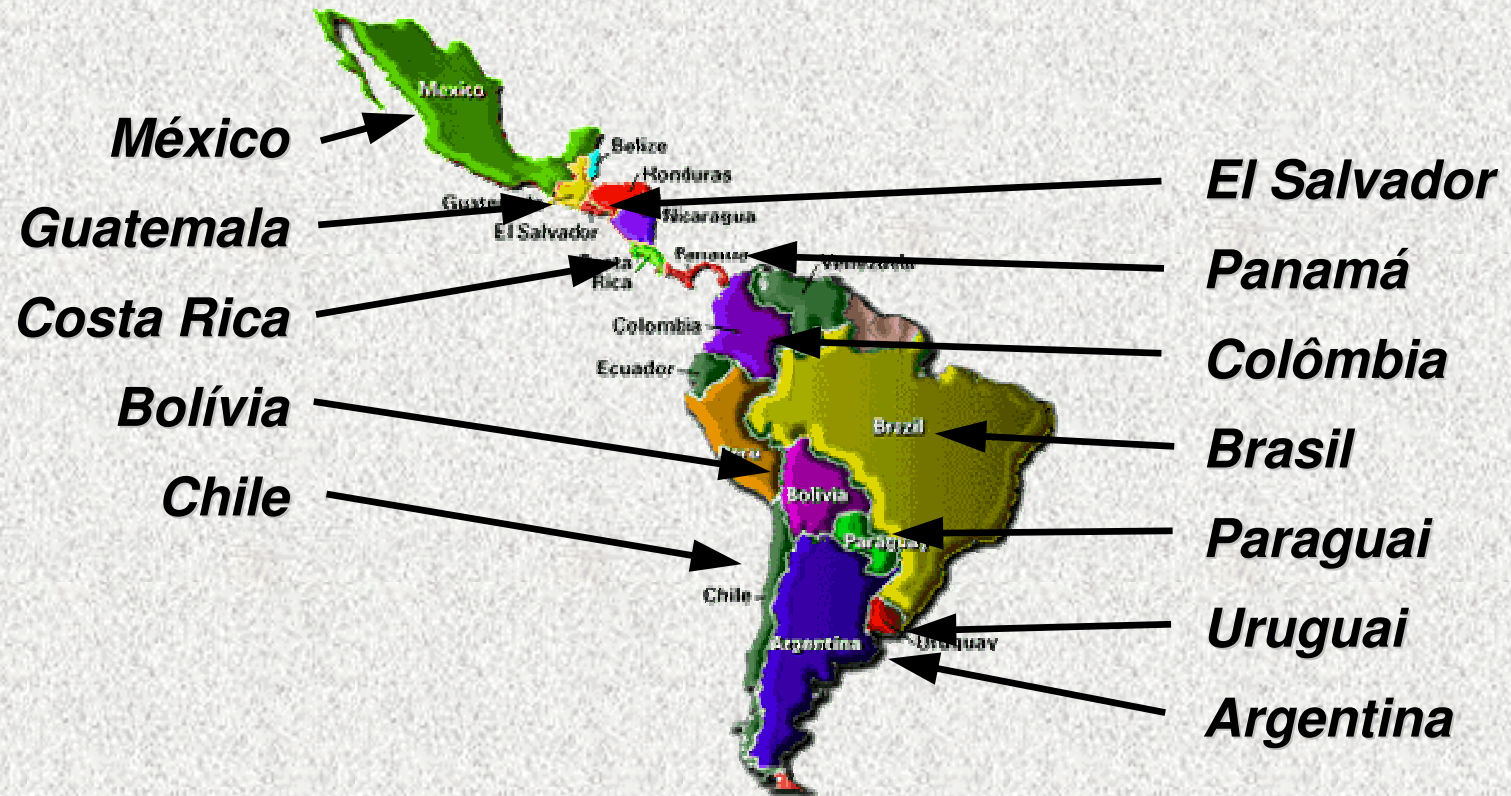


*O desenvolvimento  
de software na  
América Latina*





# Abrangência Geográfica

 **Pesquisa de mercado em doze países da América Latina:**



# *O público alvo*

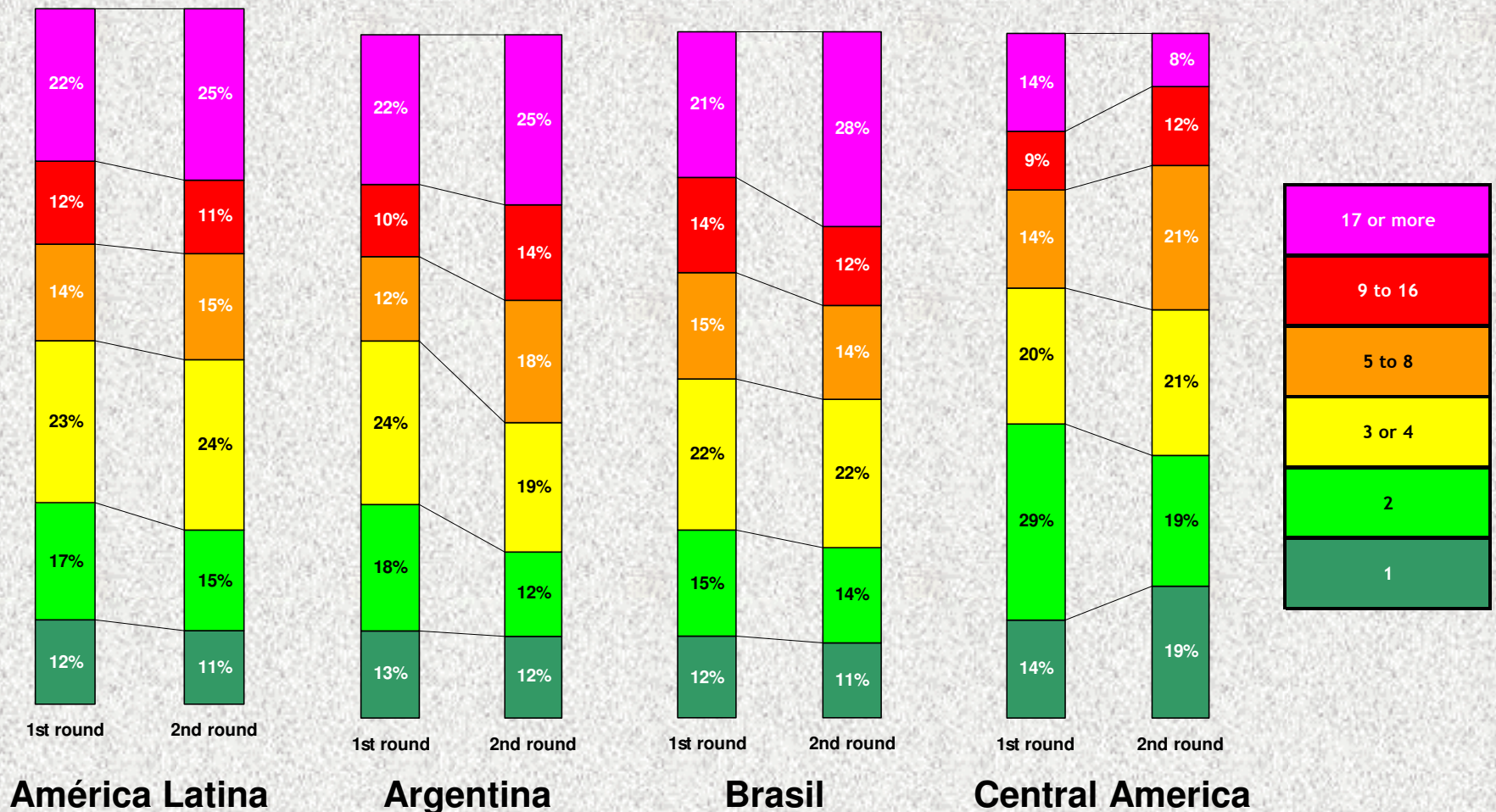
-  **Questionário distribuído a 115.000 desenvolvedores, em duas rodadas (Dez/02 e Mai/03)**
-  **1211 questionários respondidos corretamente, com aprox. 81.000 respostas individuais**





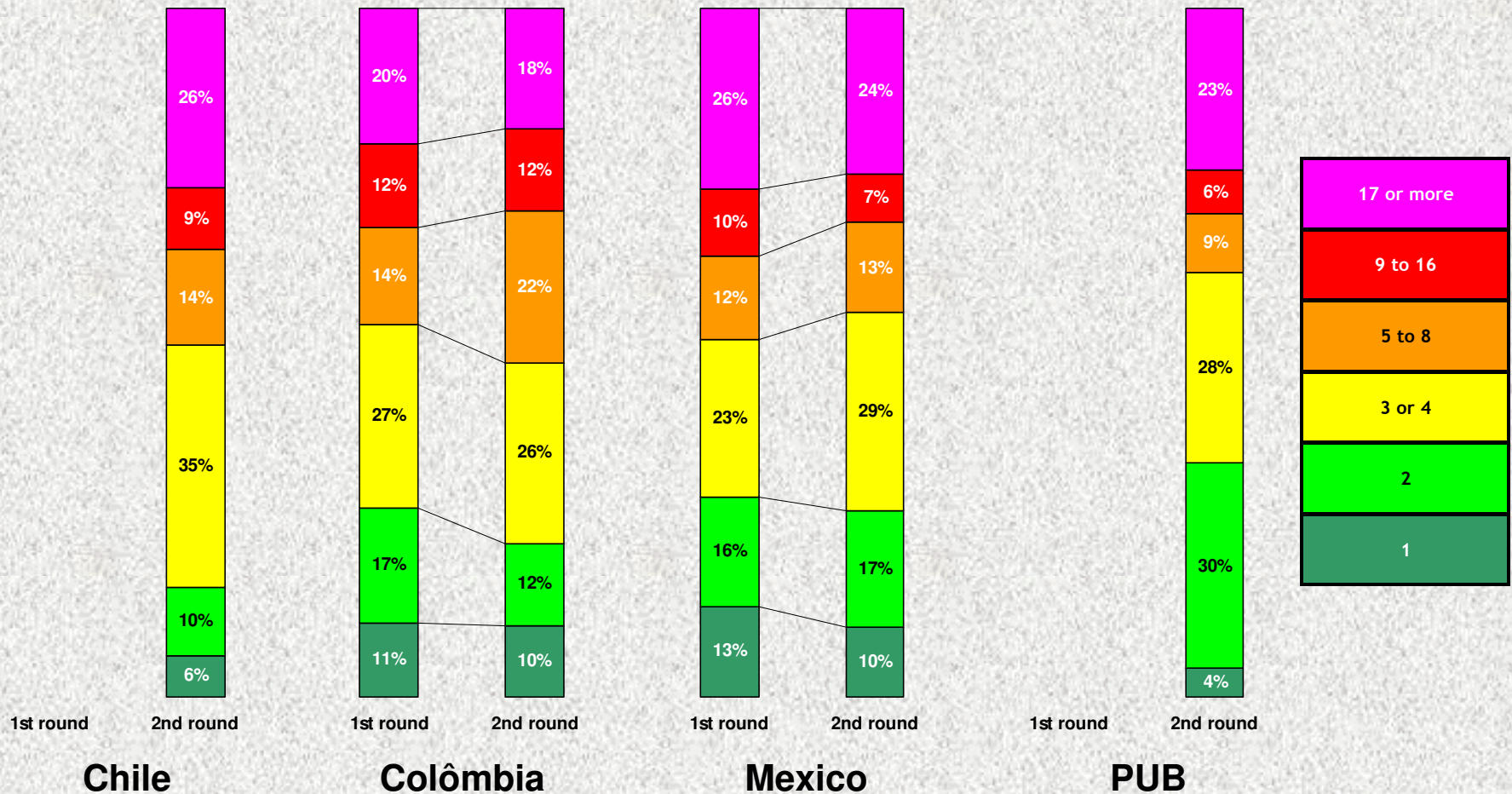
# ***Ambiente de trabalho***

# Desenvolvedores por equipe I





# Desenvolvedores por equipe II

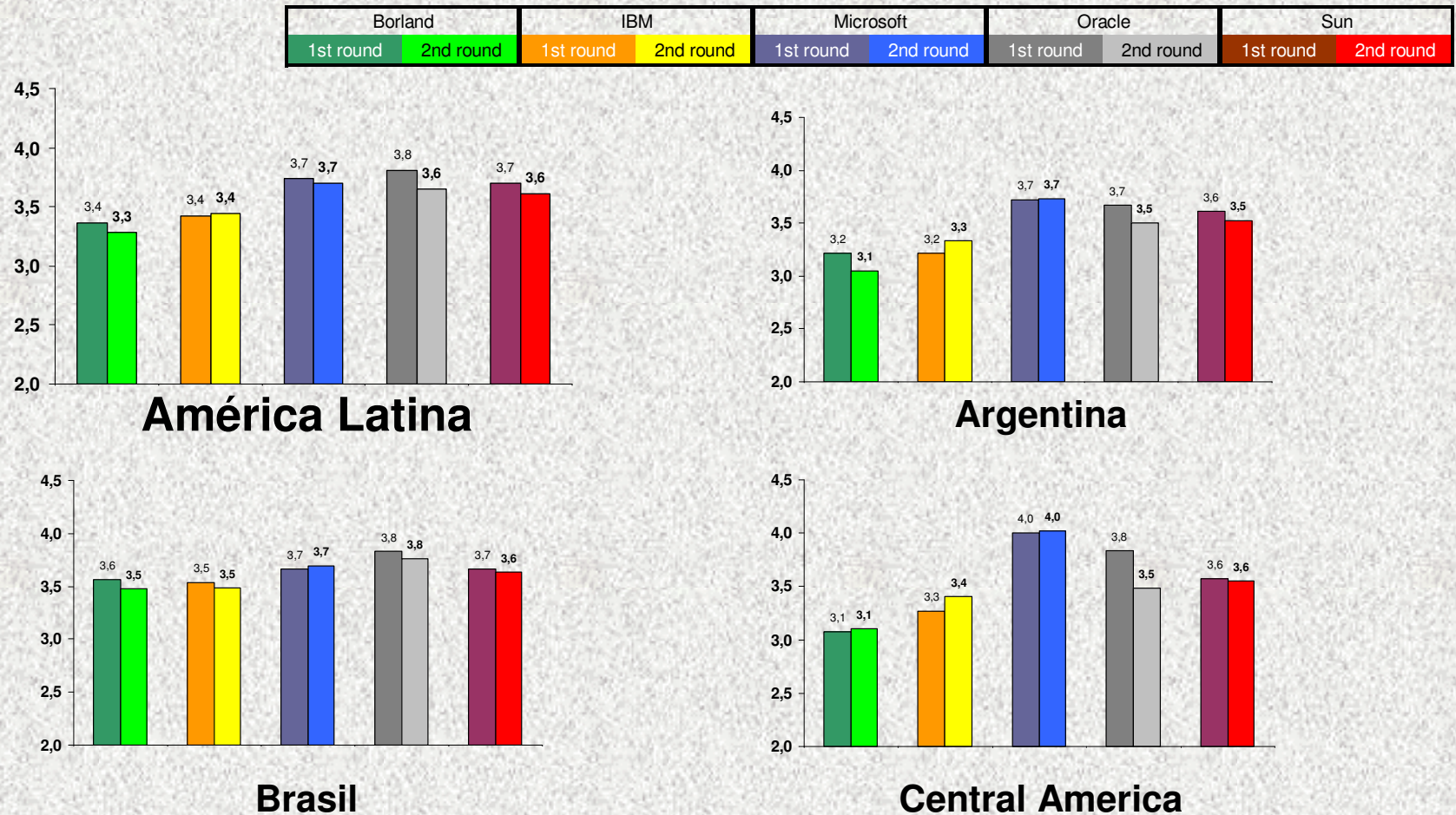




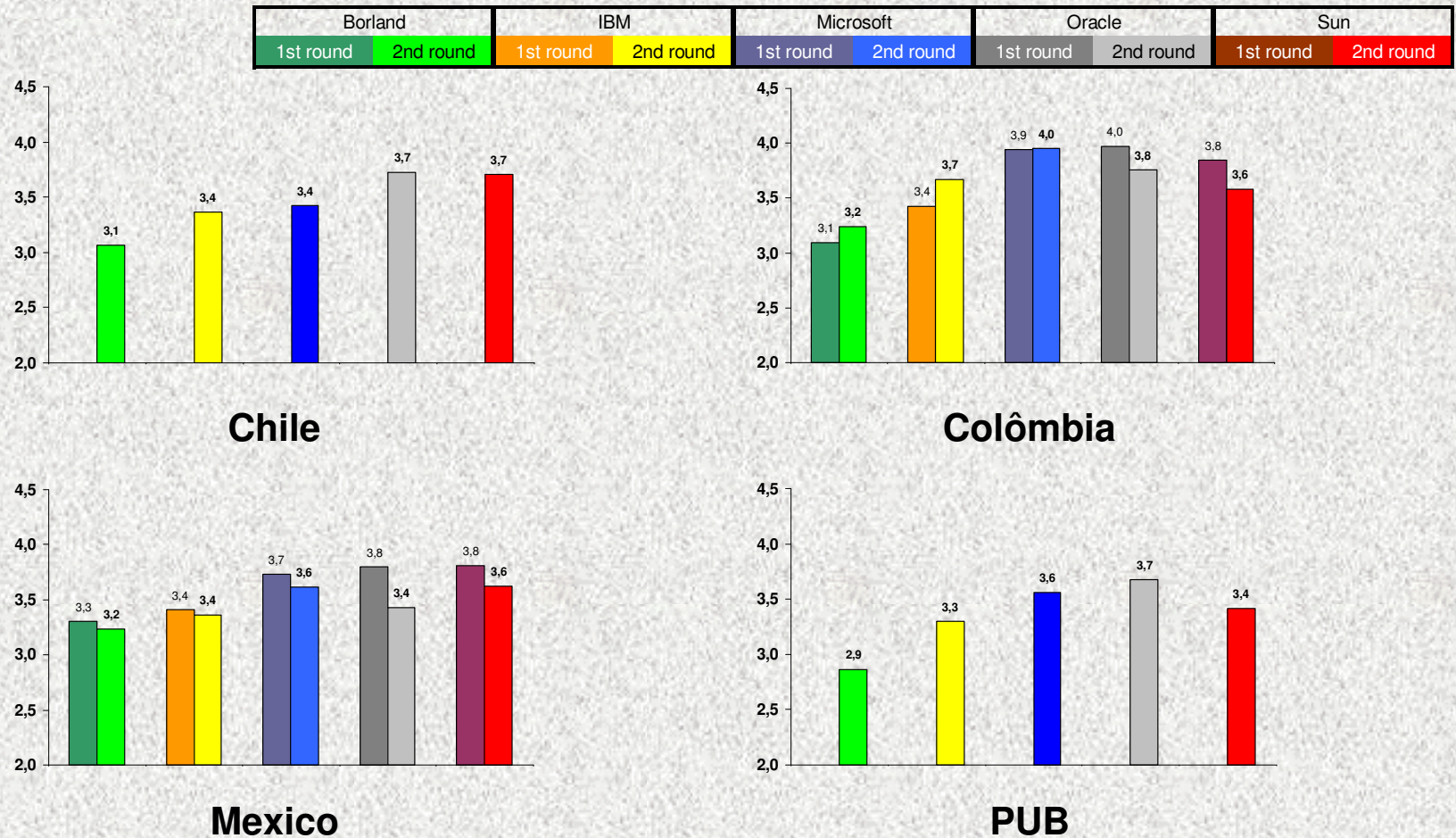
# *Percepção dos fornecedores*



# Inovação Técnica I

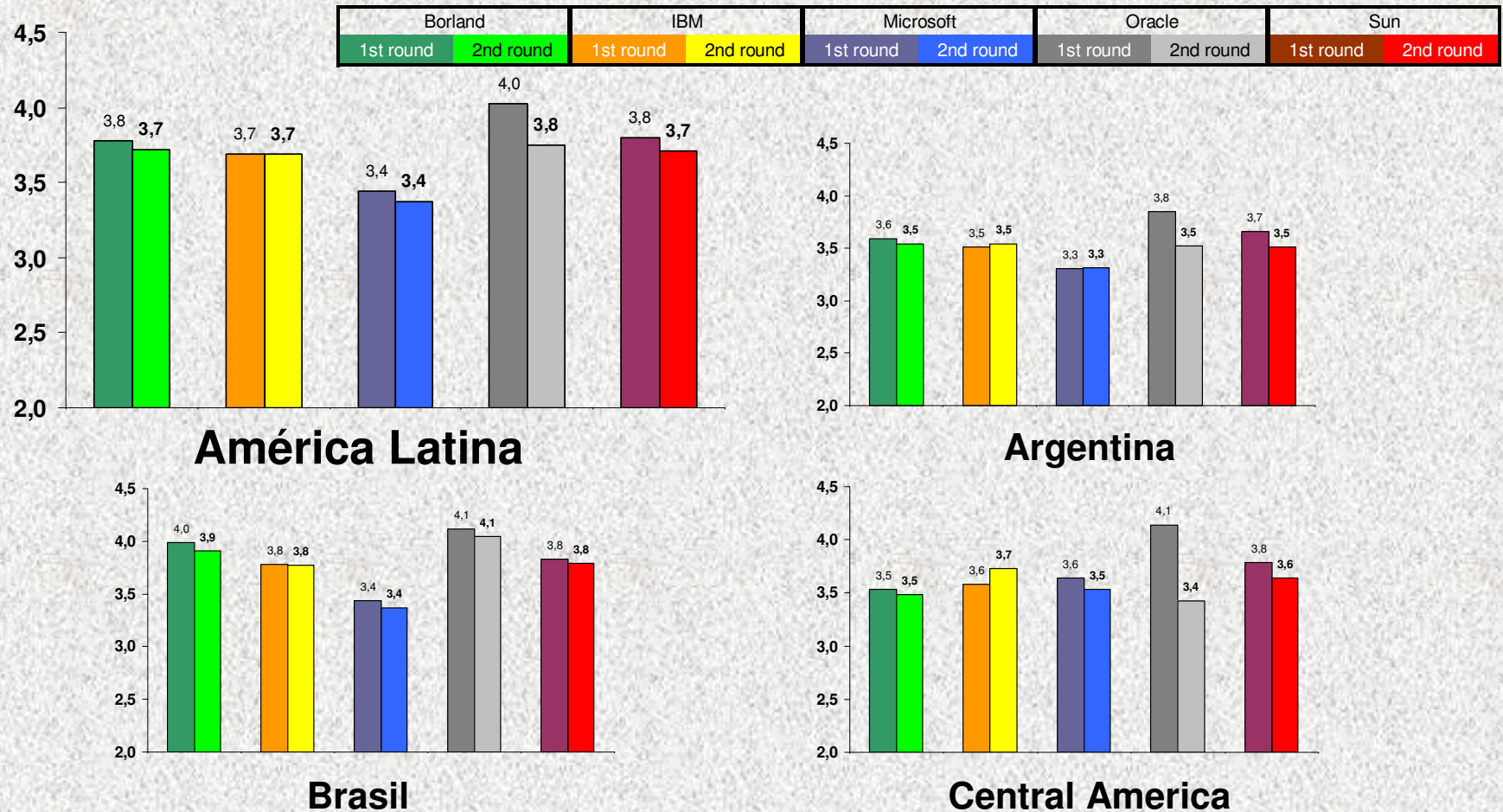


# Inovação Técnica II

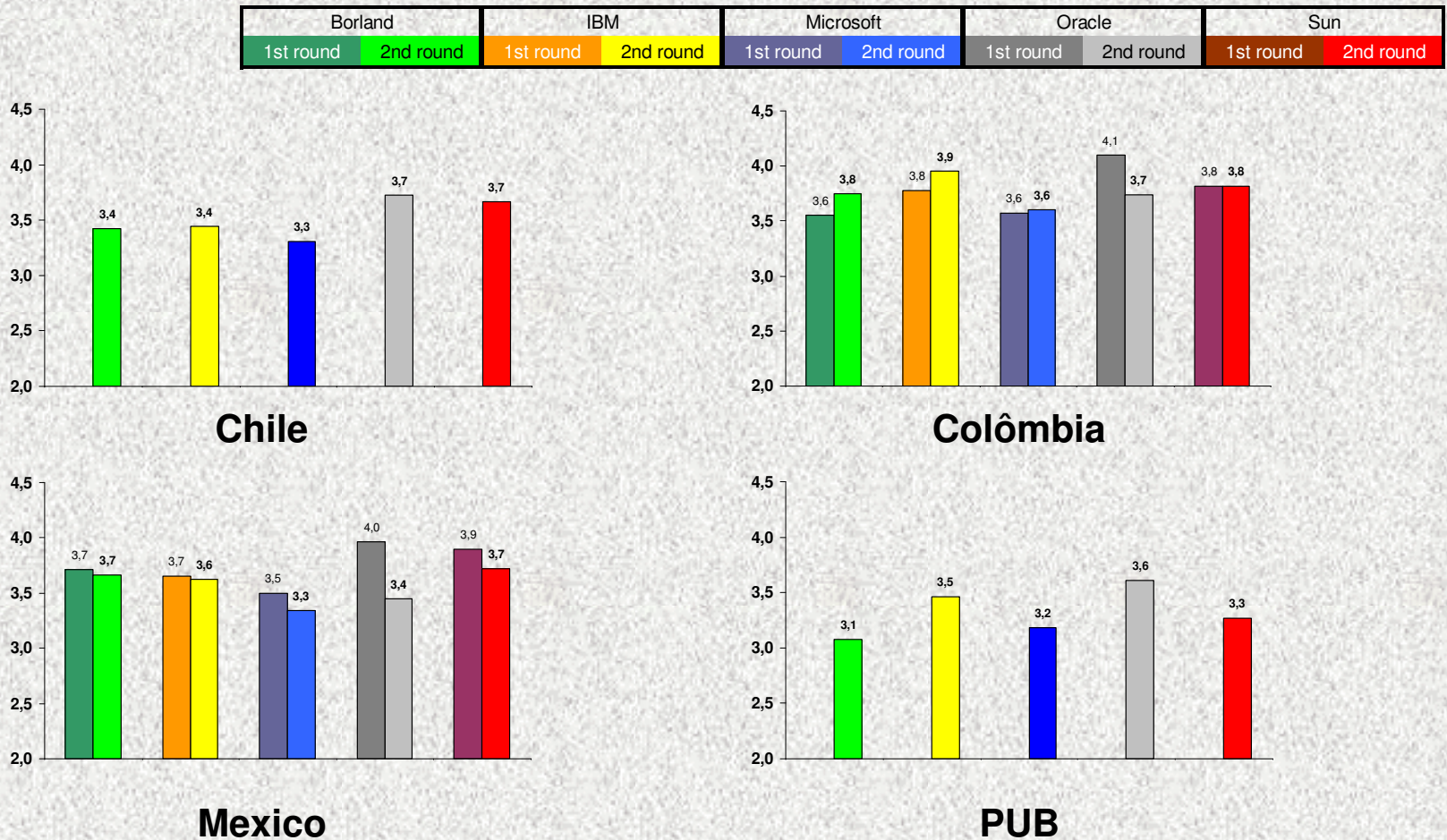




# Qualidade dos Produtos I

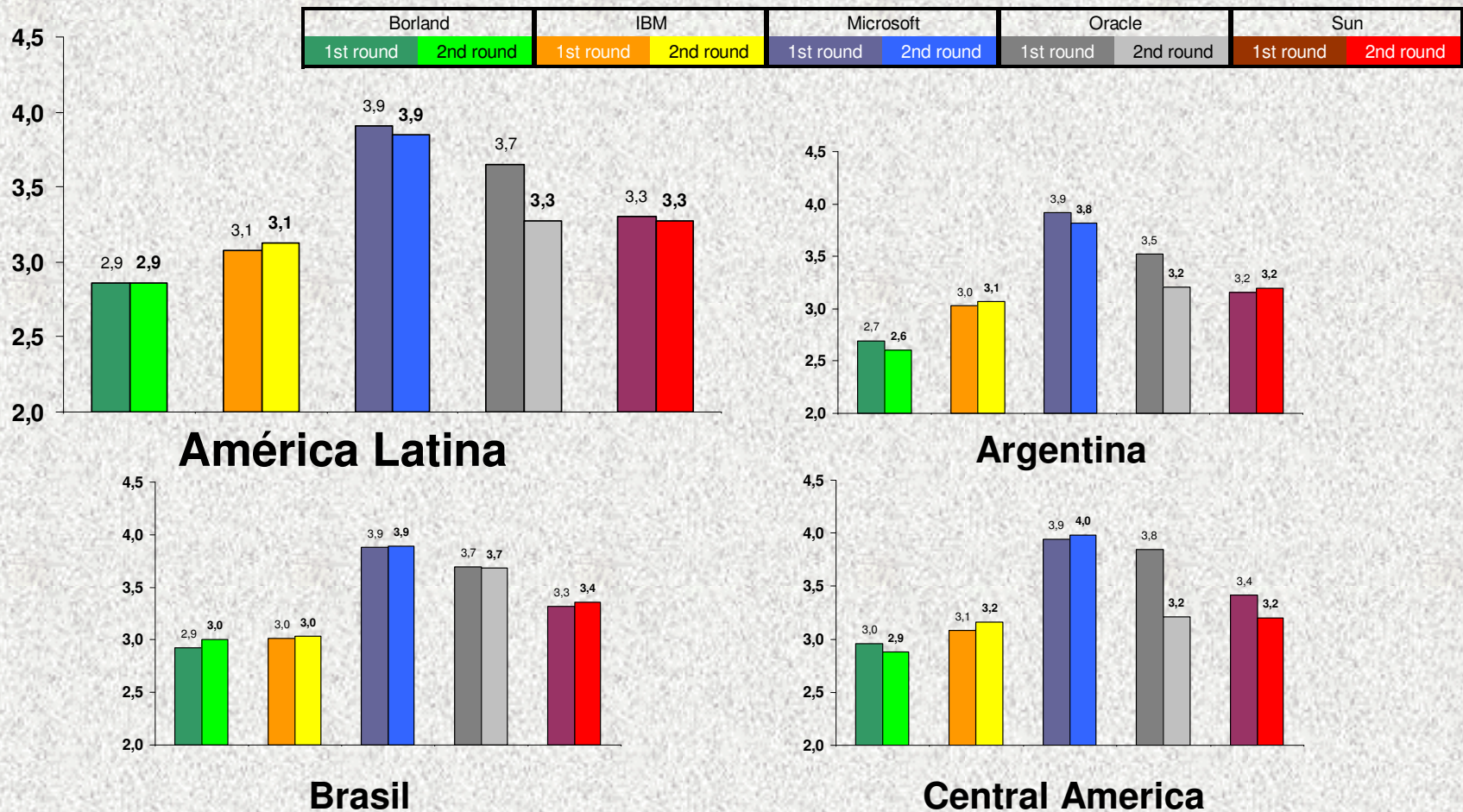


# Qualidade dos Produtos II

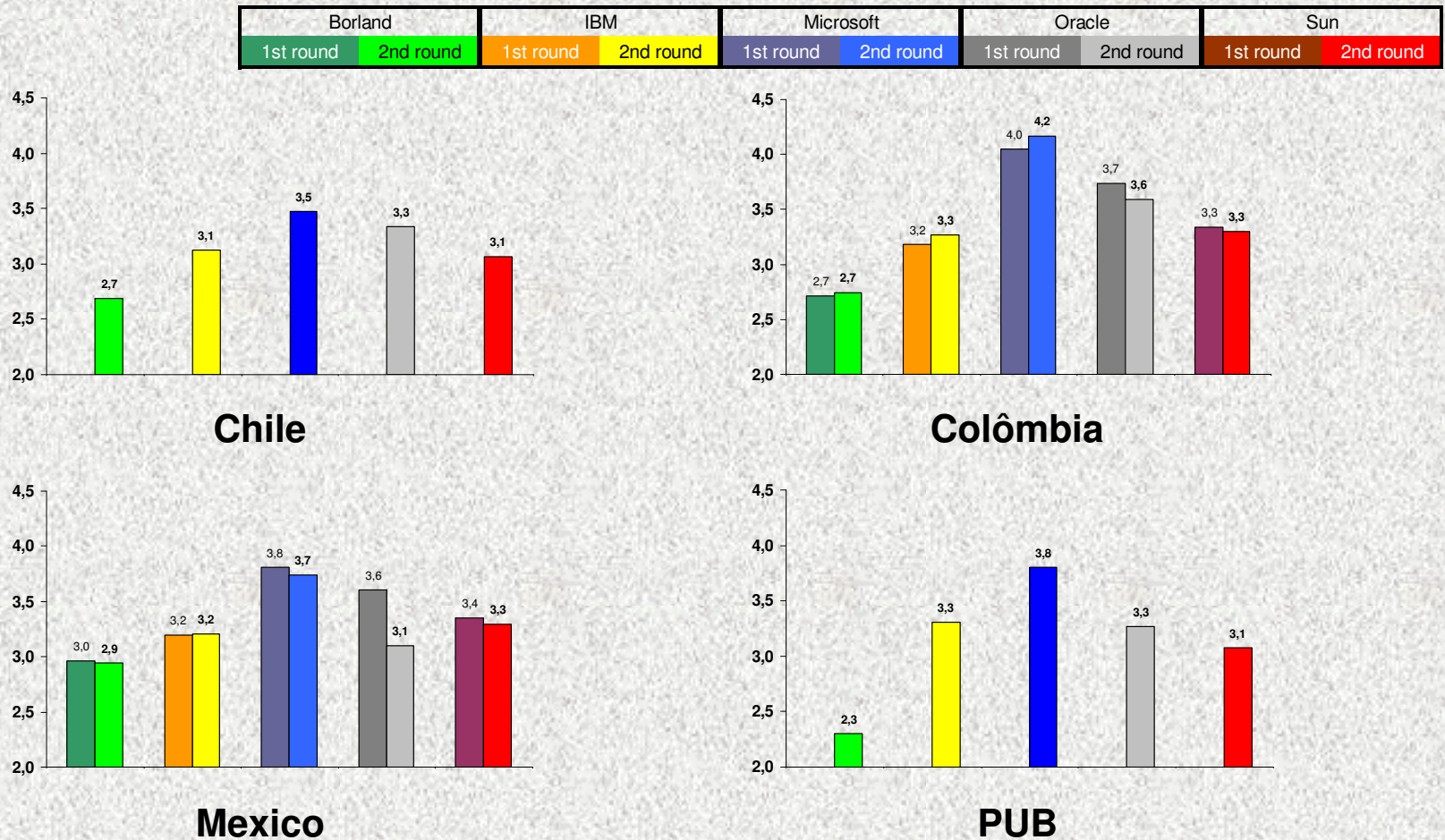




# Programas de Certificação I



# Programas de Certificação II



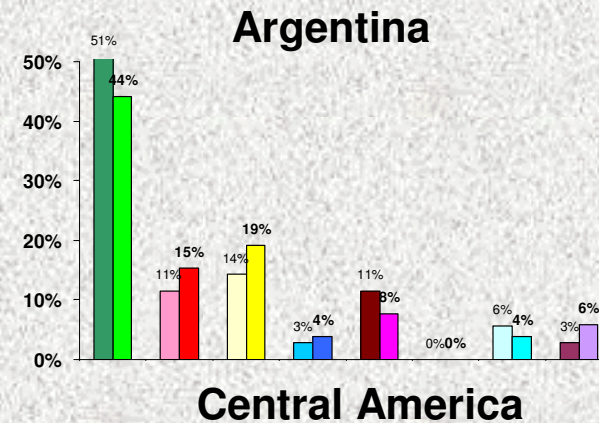
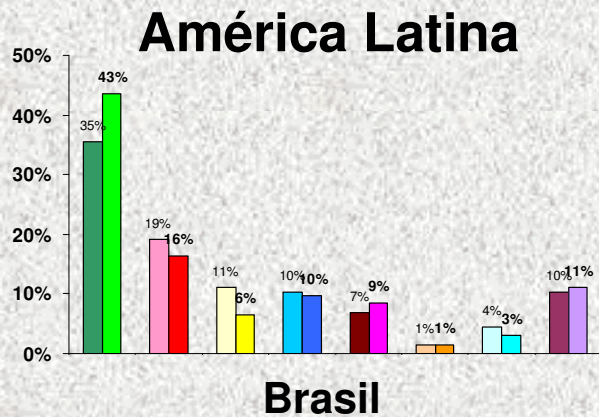
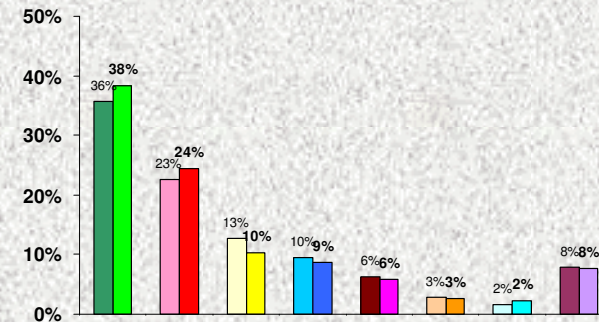
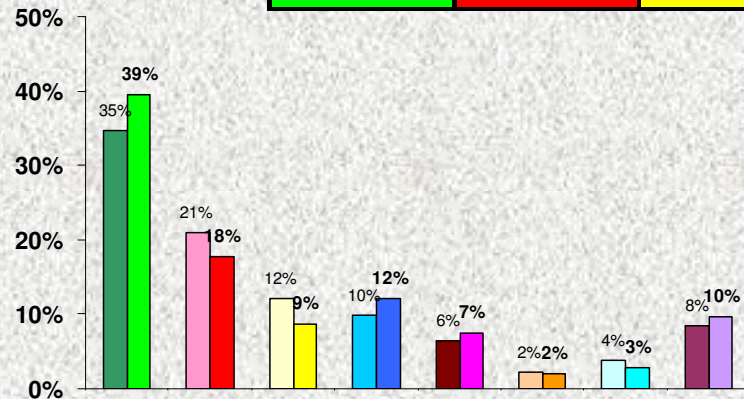




# *Sistemas Operacionais*

# 1º Sistema Operacional I

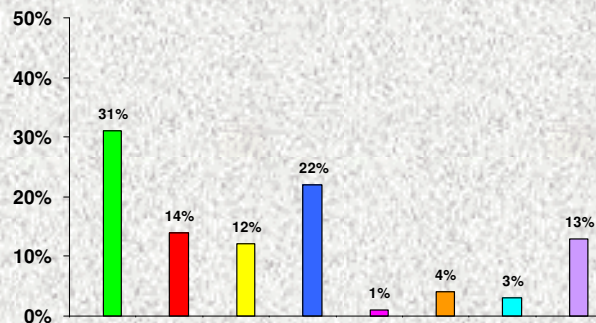
1st round	Windows 2000	Windows 9x	Windows NT	Linux	Windows XP	Sun Solaris	HP/UX	Others
2nd round	Windows 2000	Windows 9x	Windows NT	Linux	Windows XP	Sun Solaris	HP/UX	Others



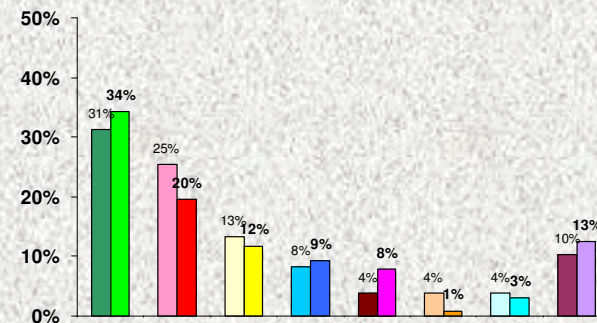


# 1º Sistema Operacional II

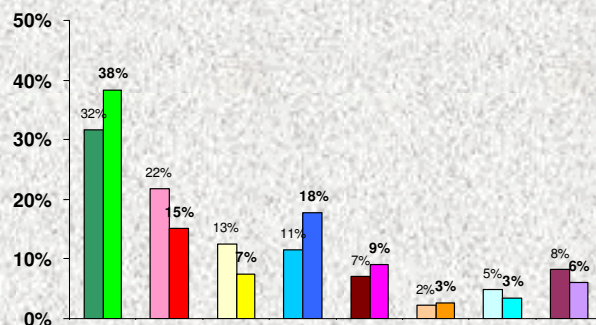
1st round	Windows 2000	Windows 9x	Windows NT	Linux	Windows XP	Sun Solaris	HP/UX	Others
2nd round	Windows 2000	Windows 9x	Windows NT	Linux	Windows XP	Sun Solaris	HP/UX	Others



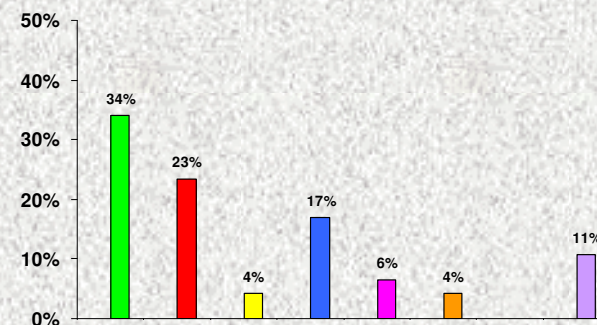
Chile



Colômbia



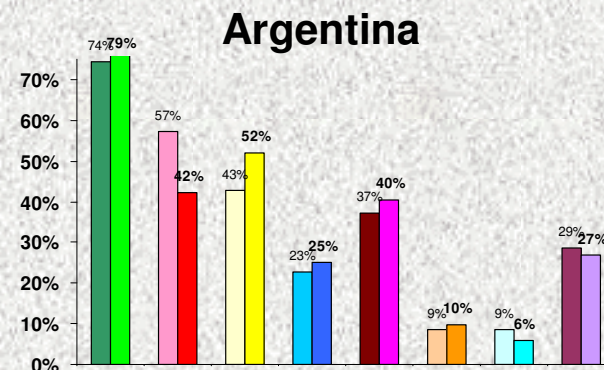
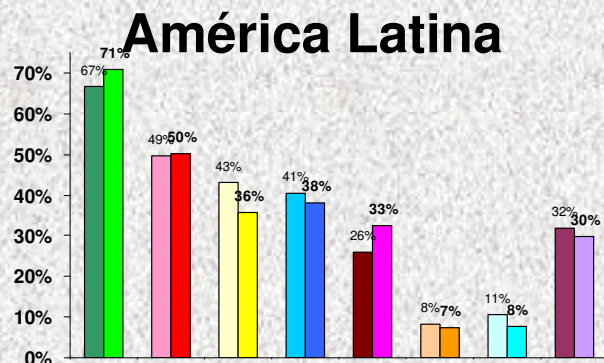
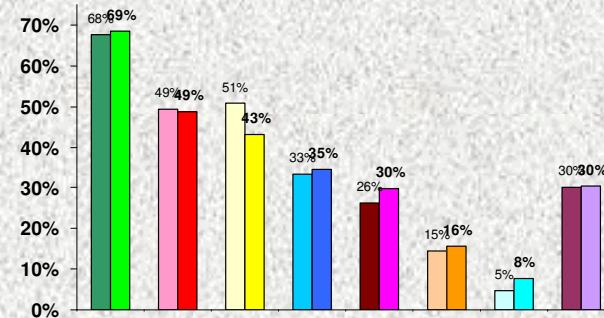
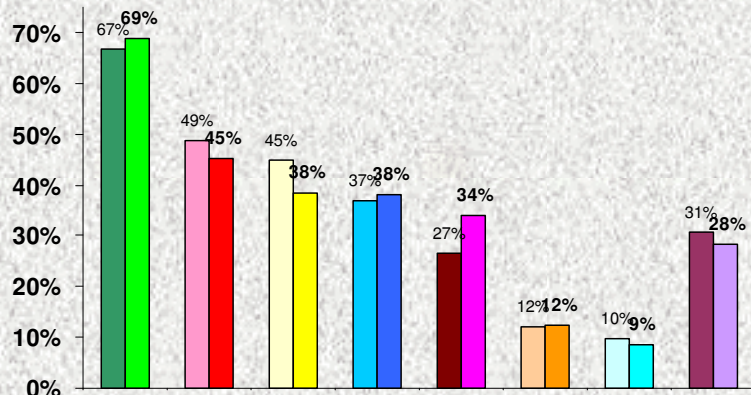
Mexico



PUB

# Sistemas Operacionais - Totais I

1st round	Windows 2000	Windows 9x	Windows NT	Linux	Windows XP	Sun Solaris	HP/UX	Others
2nd round	Windows 2000	Windows 9x	Windows NT	Linux	Windows XP	Sun Solaris	HP/UX	Others



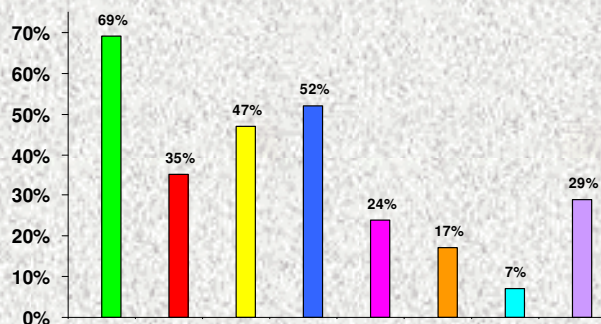
Brasil

Central America

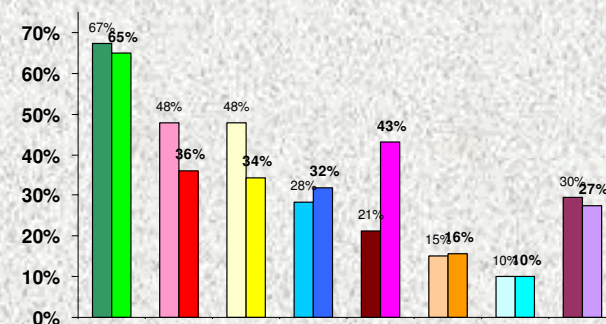


# Sistemas Operacionais - Totais II

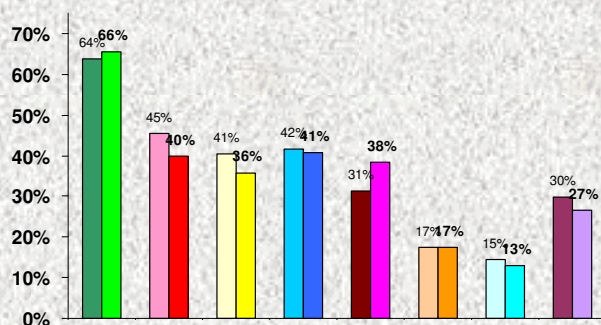
1st round	Windows 2000	Windows 9x	Windows NT	Linux	Windows XP	Sun Solaris	HP/UX	Others
2nd round	Windows 2000	Windows 9x	Windows NT	Linux	Windows XP	Sun Solaris	HP/UX	Others



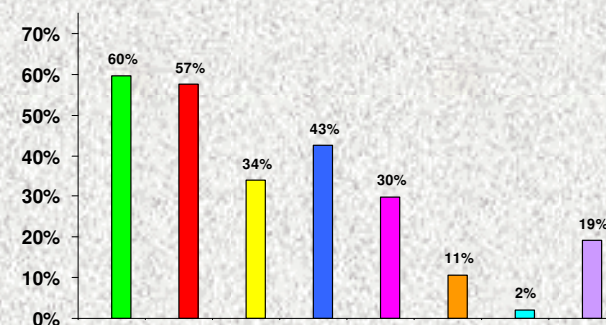
Chile



Colômbia

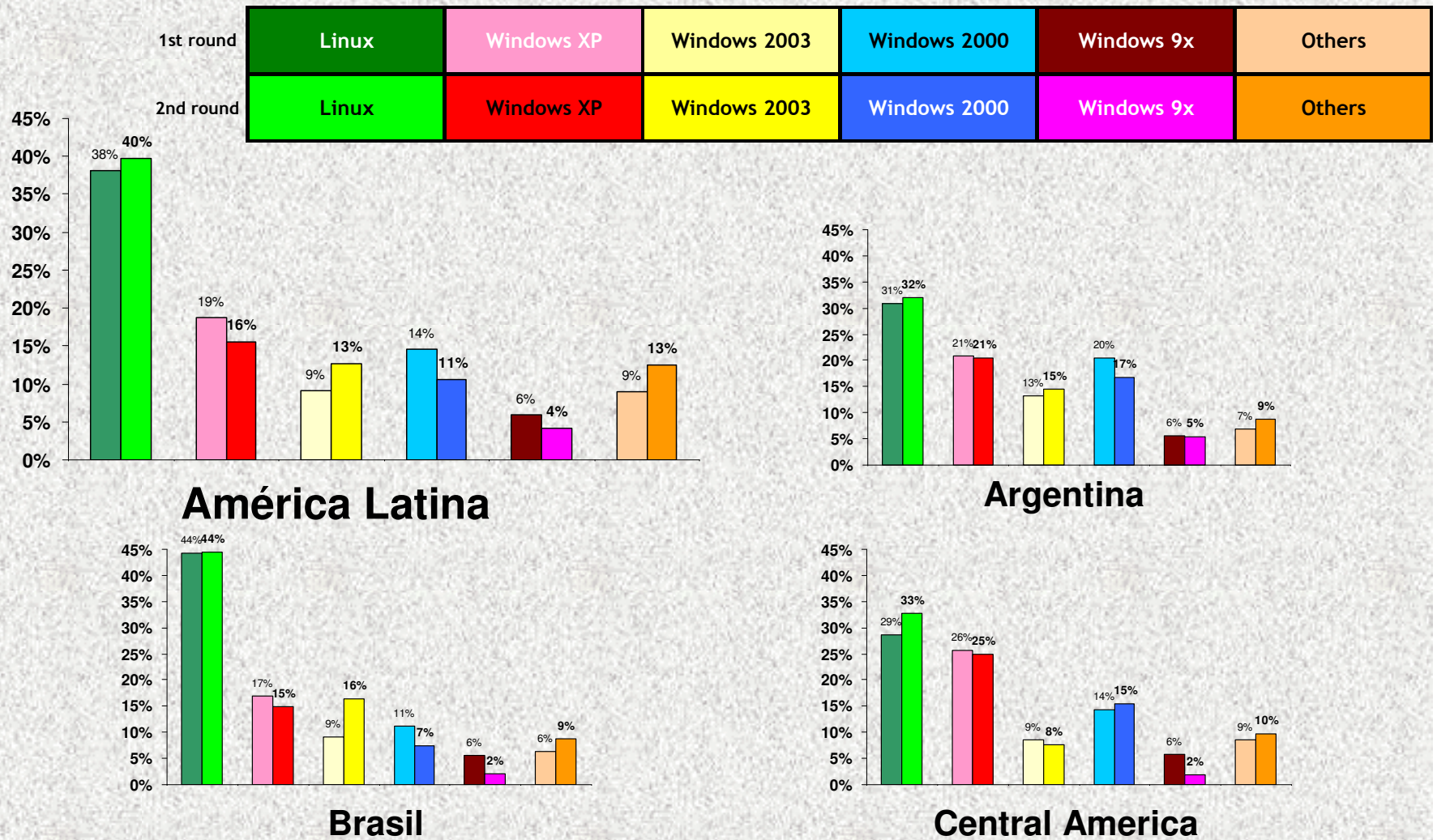


Mexico



PUB

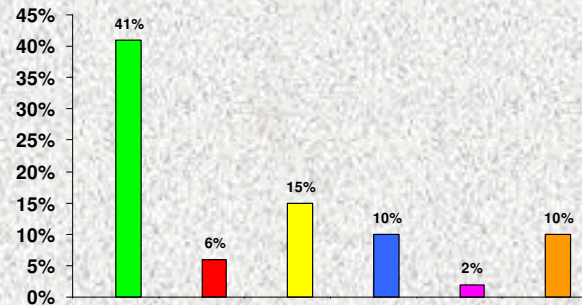
# Sistemas Operacionais Futuros I



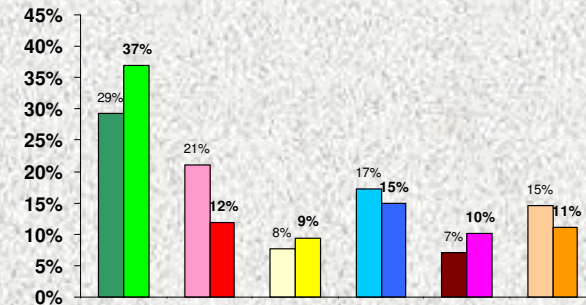


# Sistemas Operacionais Futuros II

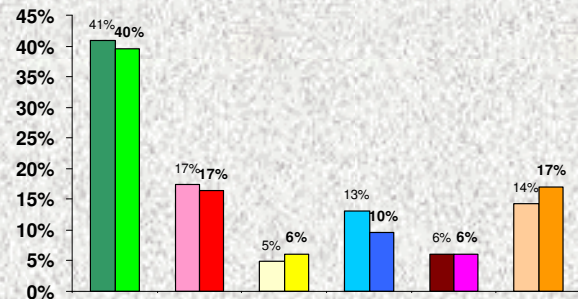
1st round	Linux	Windows XP	Windows 2003	Windows 2000	Windows 9x	Others
2nd round	Linux	Windows XP	Windows 2003	Windows 2000	Windows 9x	Others



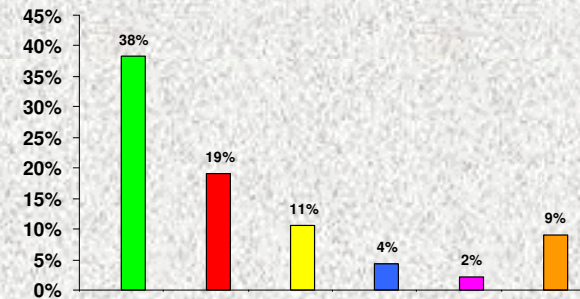
Chile



Colômbia



Mexico



PUB

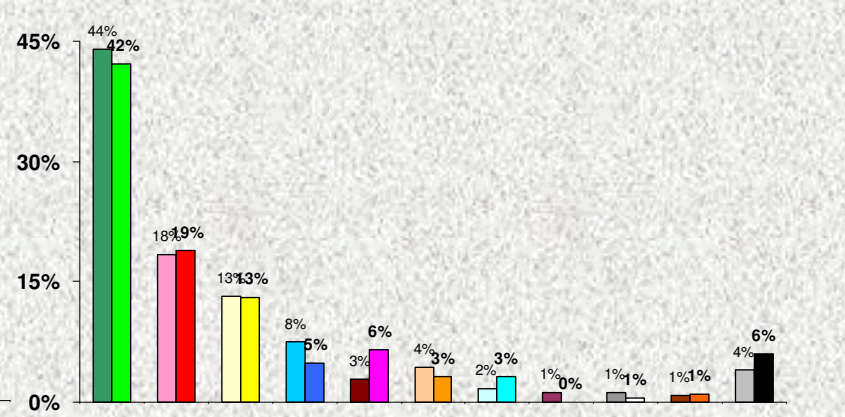
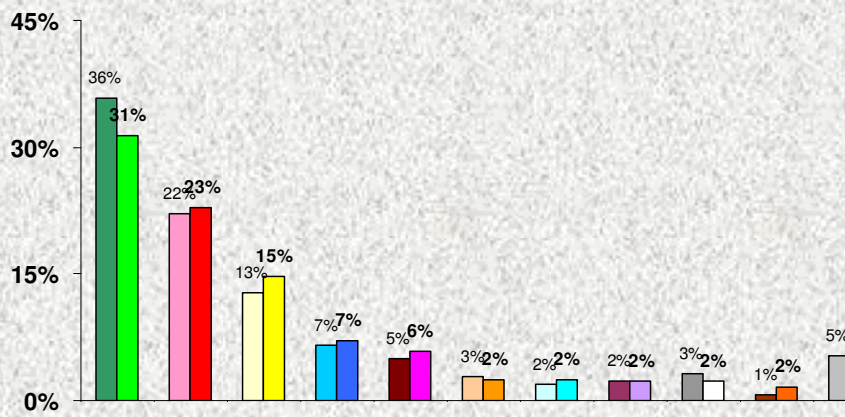


# *Gerenciadores de Bases de Dados*



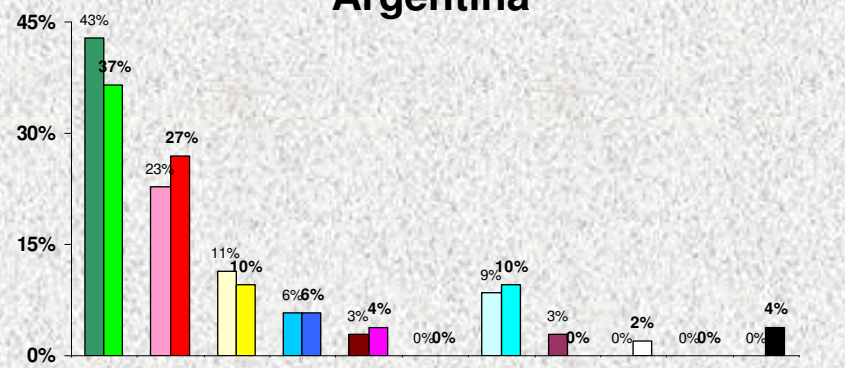
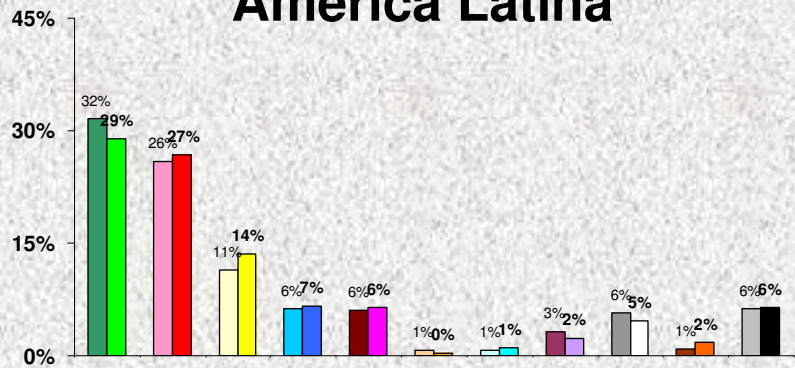
# 1ª Base de Dados I

1st round	SQL Server	Oracle	Access	MySQL	DB/2	Informix	Sybase	Progress	Interbase	PostgreSQL	Others
2nd round	SQL Server	Oracle	Access	MySQL	DB/2	Informix	Sybase	Progress	Interbase	PostgreSQL	Others



América Latina

Argentina

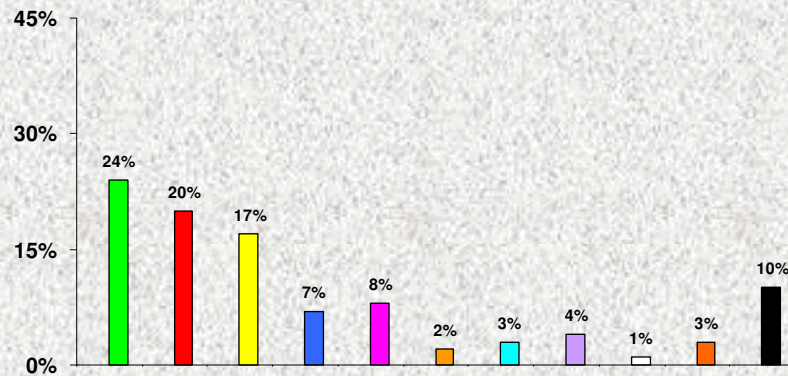


Brasil

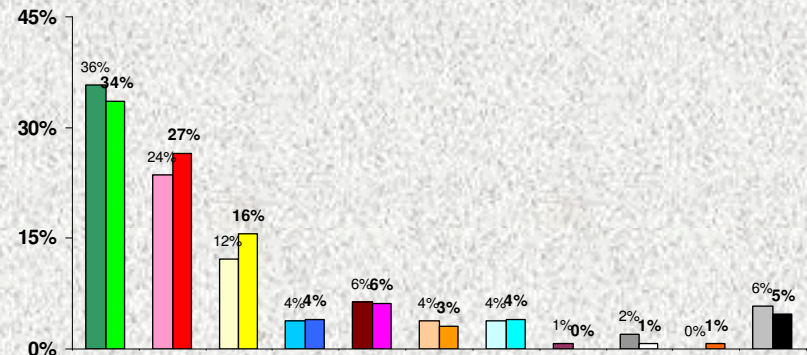
Central America

# 1ª Base de Dados II

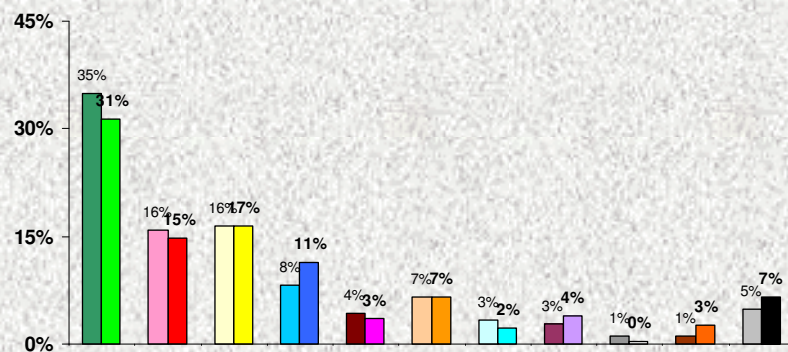
1st round	SQL Server	Oracle	Access	MySQL	DB/2	Informix	Sybase	Progress	Interbase	PostgreSQL	Others
2nd round	SQL Server	Oracle	Access	MySQL	DB/2	Informix	Sybase	Progress	Interbase	PostgreSQL	Others



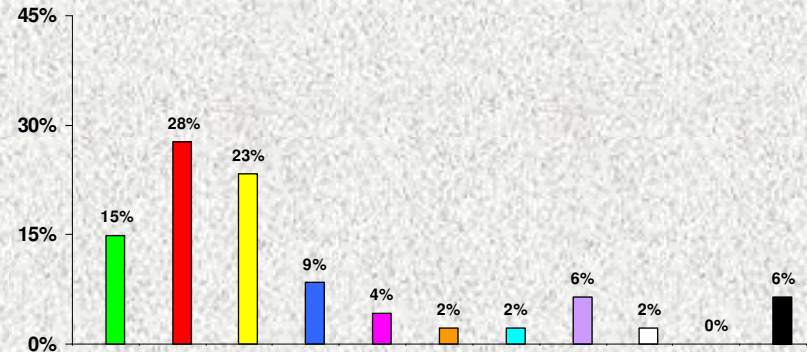
Chile



Colômbia



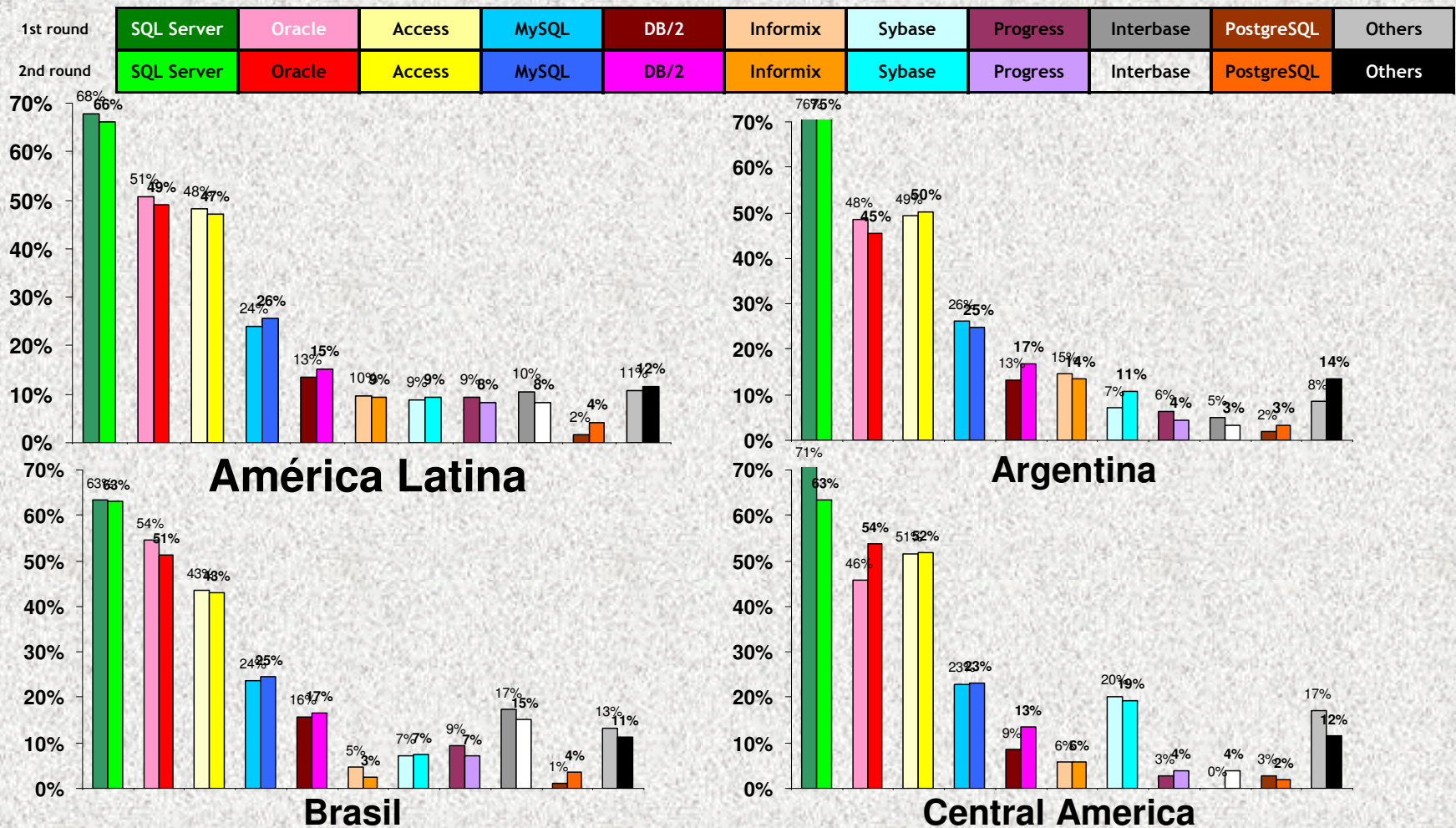
Mexico



PUB

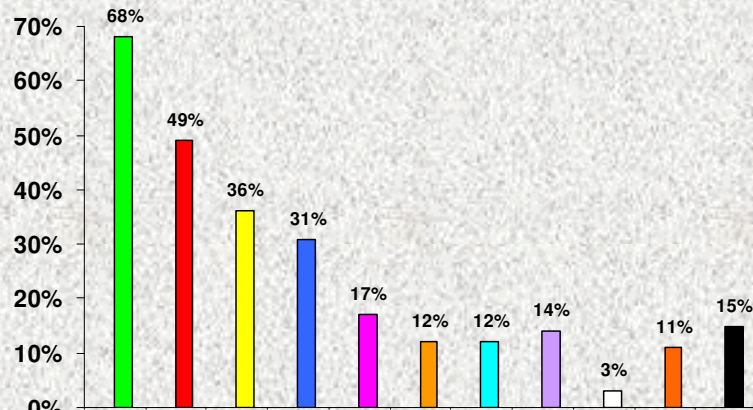


# Bases de Dados - Totais I

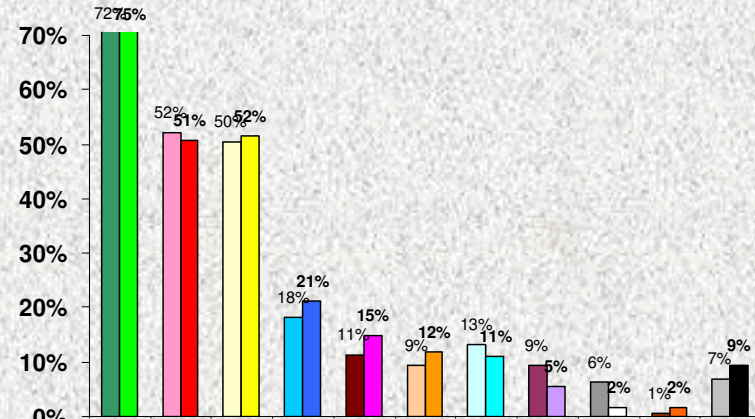


# Bases de Dados - Totais II

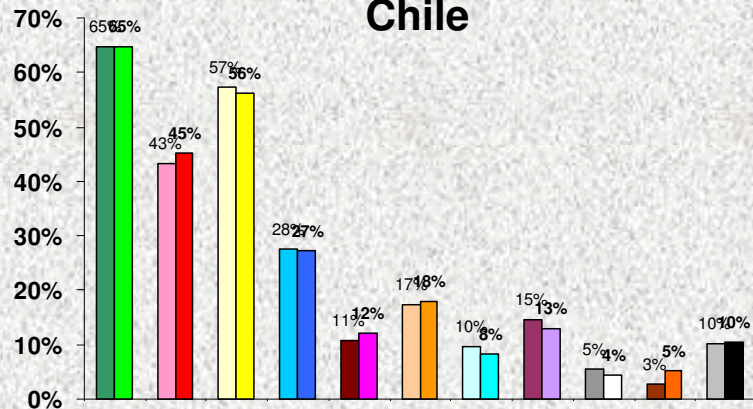
1st round	SQL Server	Oracle	Access	MySQL	DB/2	Informix	Sybase	Progress	Interbase	PostgreSQL	Others
2nd round	SQL Server	Oracle	Access	MySQL	DB/2	Informix	Sybase	Progress	Interbase	PostgreSQL	Others



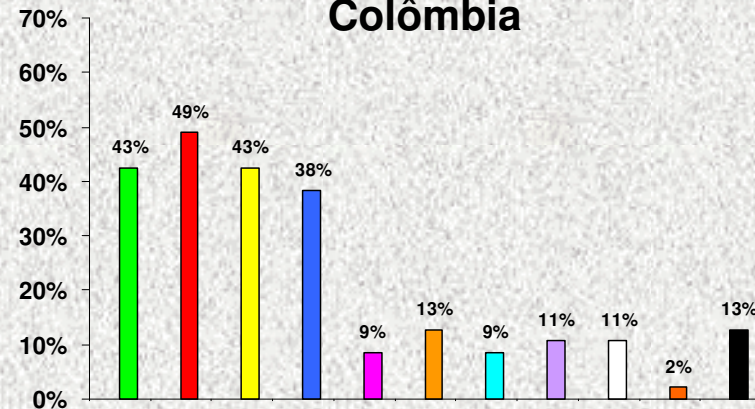
Chile



Colômbia



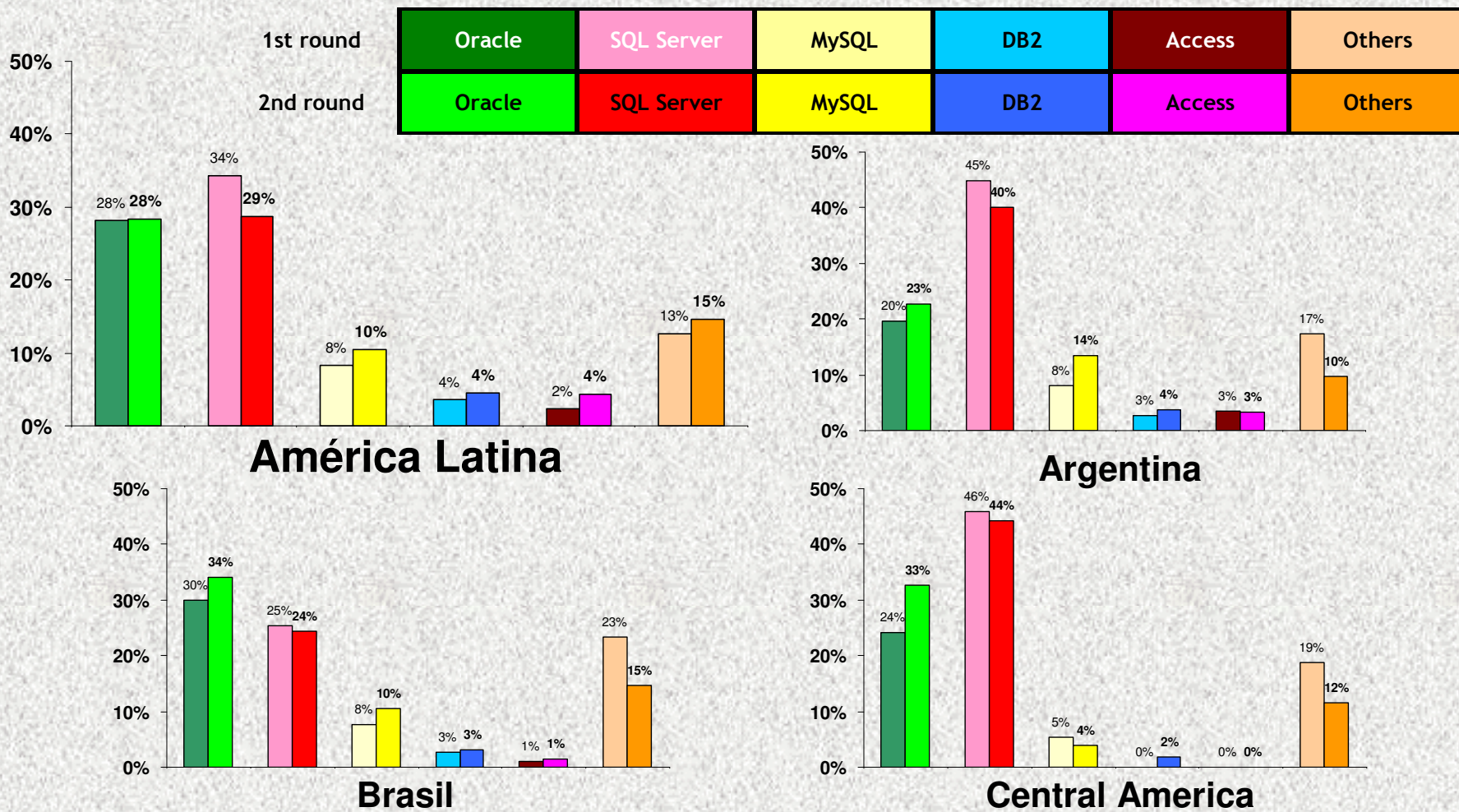
Mexico



PUB



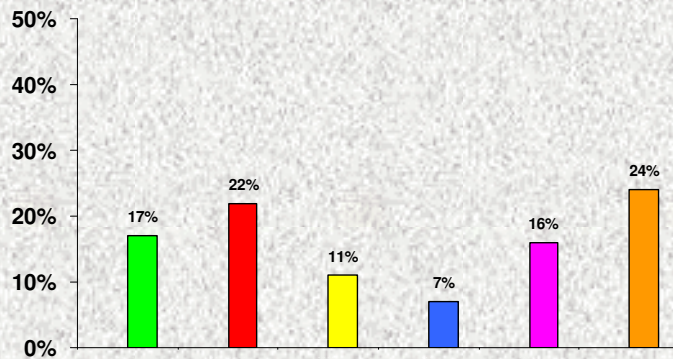
# Bases de Dados Futuros I



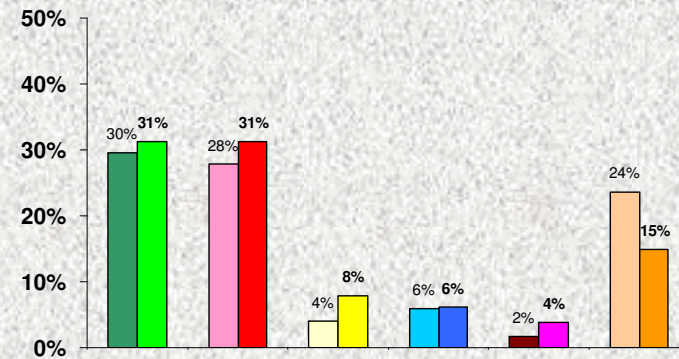
Main "Others": PostgreSQL, Interbase, Progress, Informix, Sybase, Caché

# Bases de Dados Futuros II

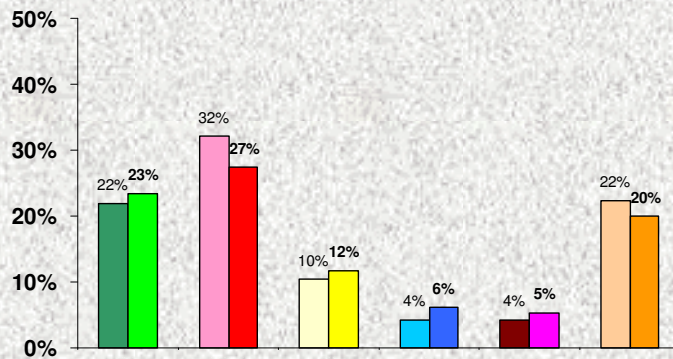
1st round	Oracle	SQL Server	MySQL	DB2	Access	Others
2nd round	Oracle	SQL Server	MySQL	DB2	Access	Others



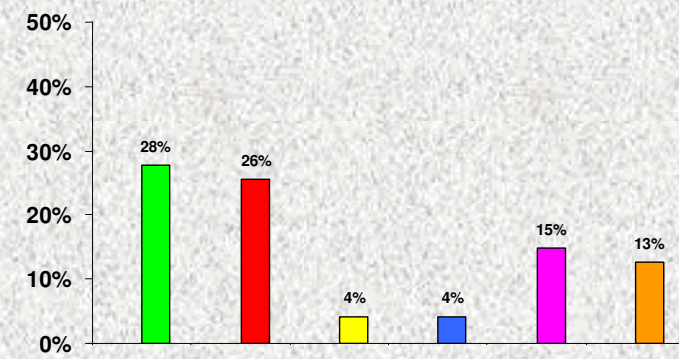
Chile



Colômbia



Mexico



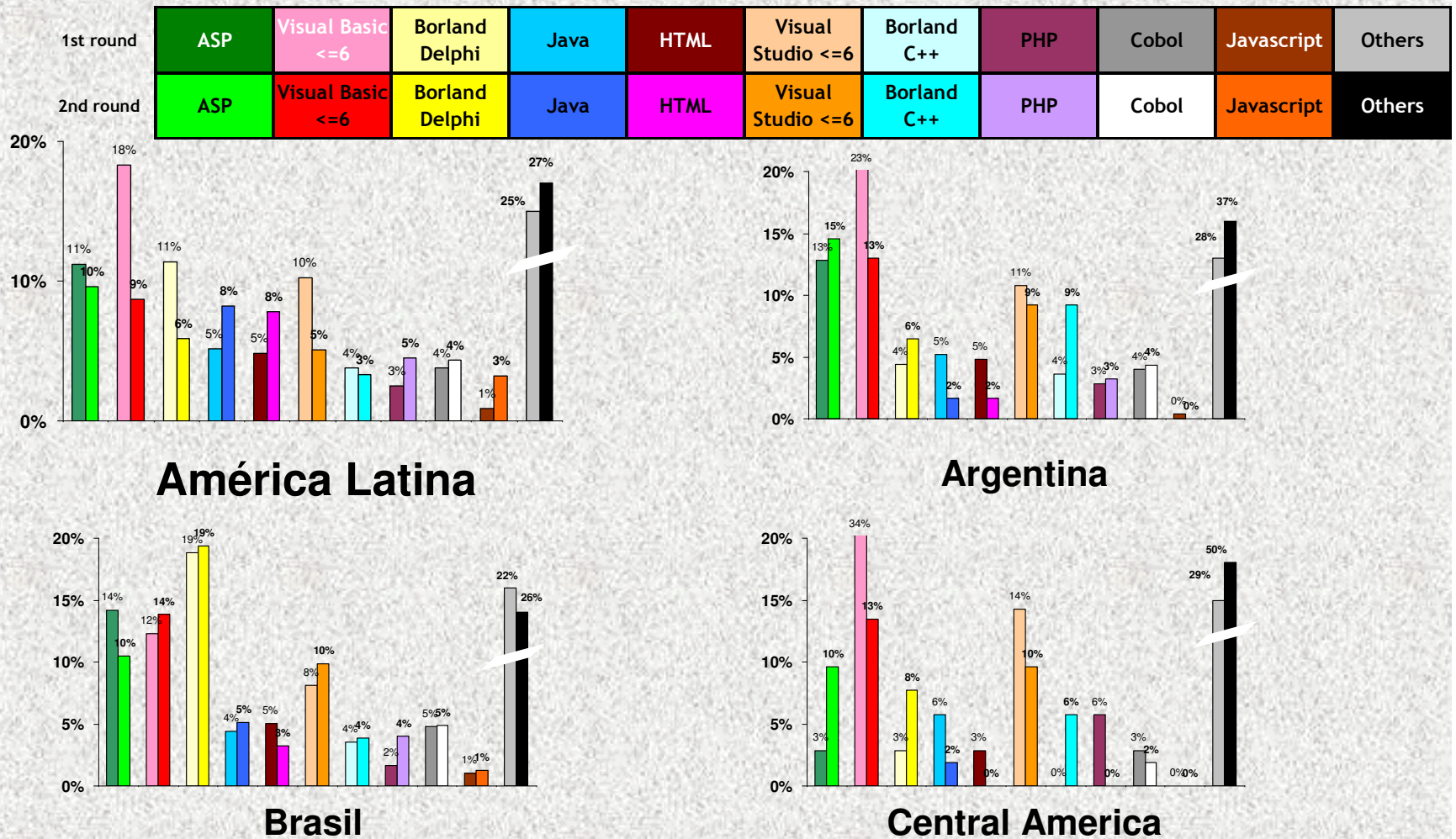
PUB





# *Linguagens de Programação*

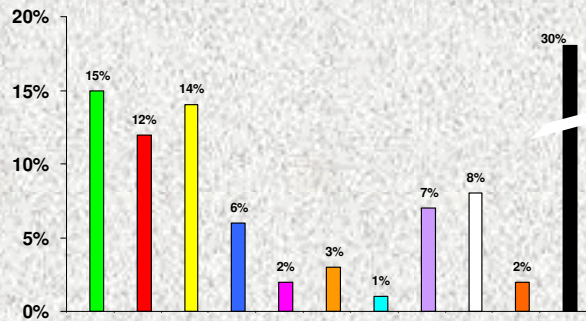
# 1ª Linguagem de Programação I



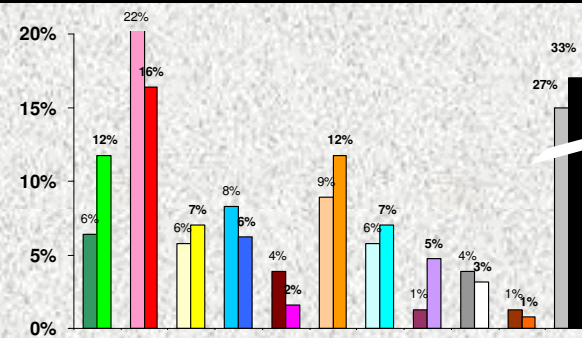


# 1ª Linguagem de Programação II

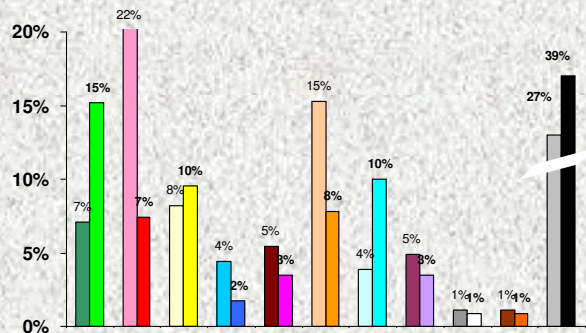
1st round	ASP	Visual Basic <=6	Borland Delphi	Java	HTML	Visual Studio <=6	Borland C++	PHP	Cobol	Javascript	Others
2nd round	ASP	Visual Basic <=6	Borland Delphi	Java	HTML	Visual Studio <=6	Borland C++	PHP	Cobol	Javascript	Others



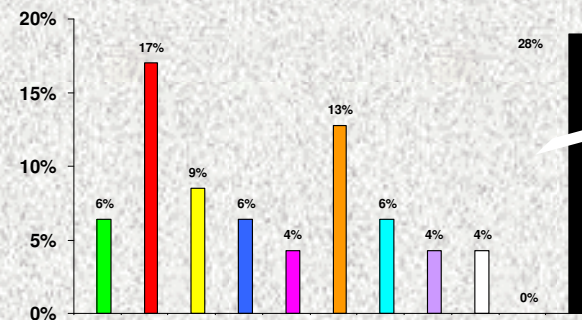
Chile



Colômbia

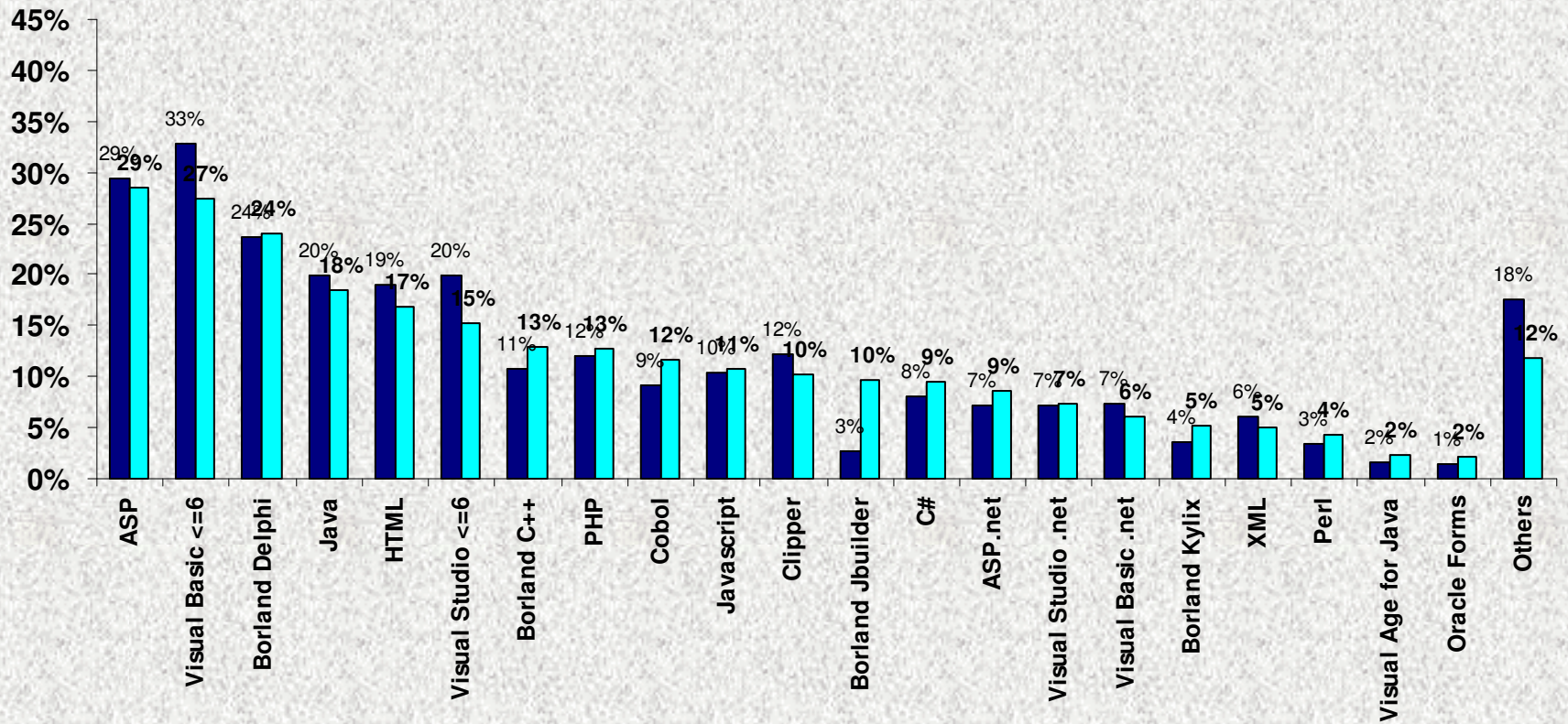


Mexico



PUB

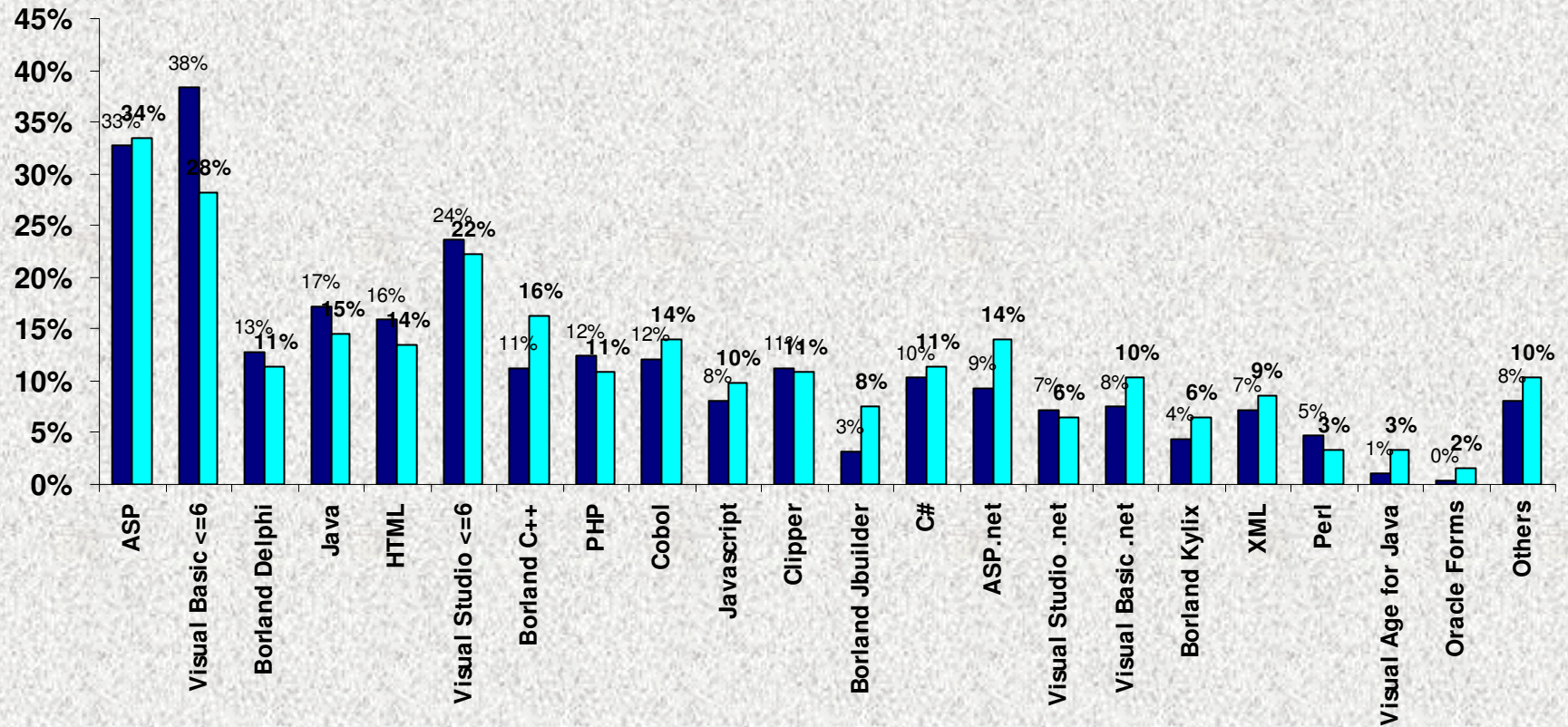
# Linguagens - Totais I



América Latina

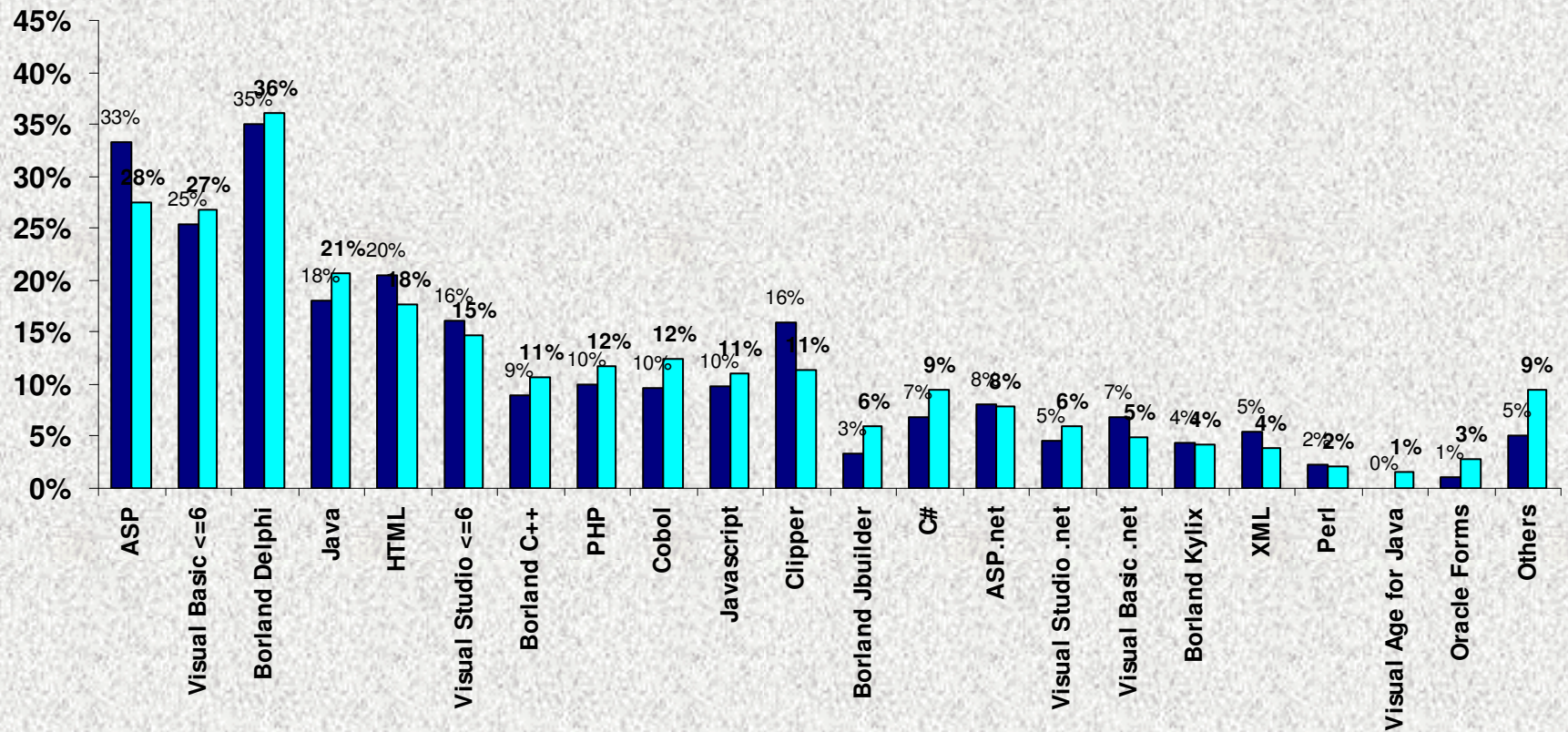


# Linguagens - Totais II



Argentina

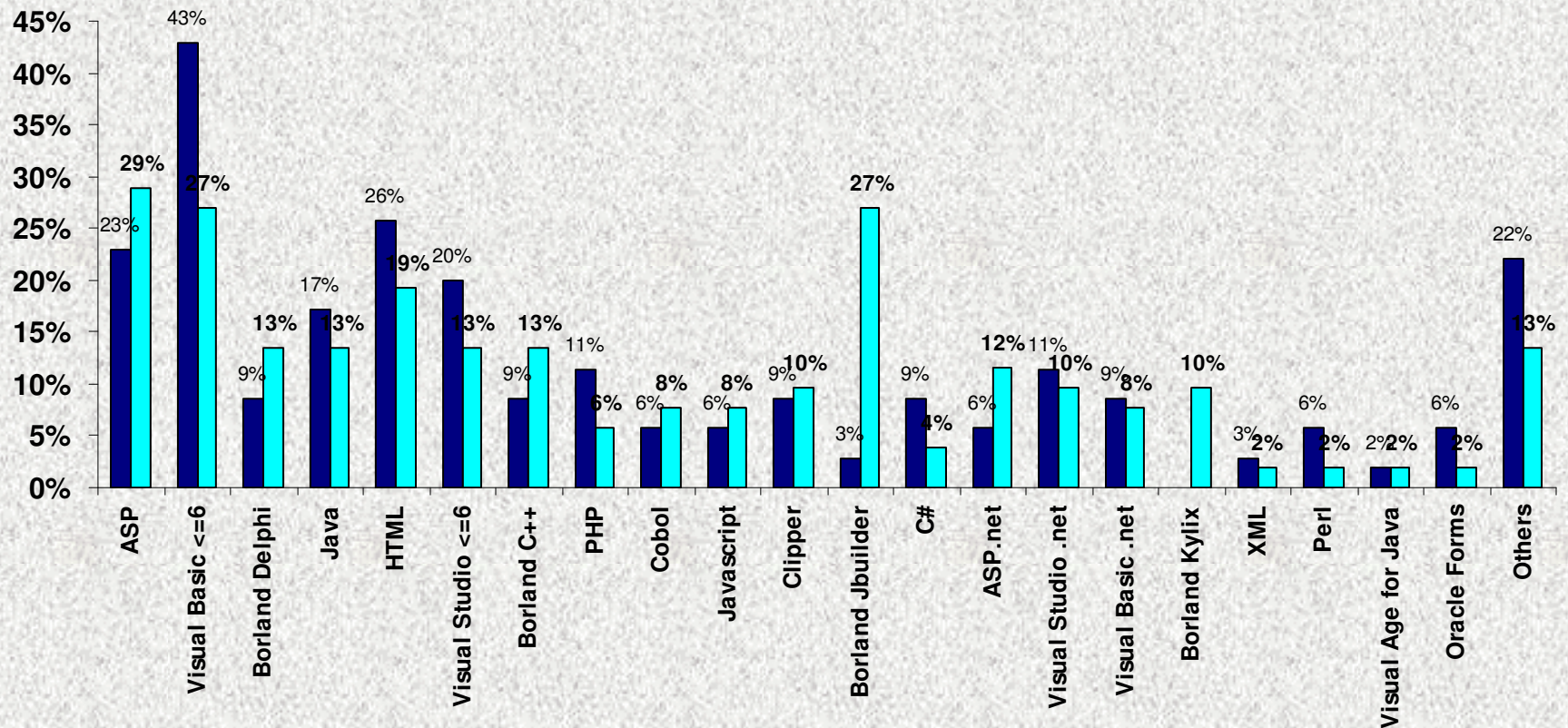
# Linguagens - Totais III



Brasil

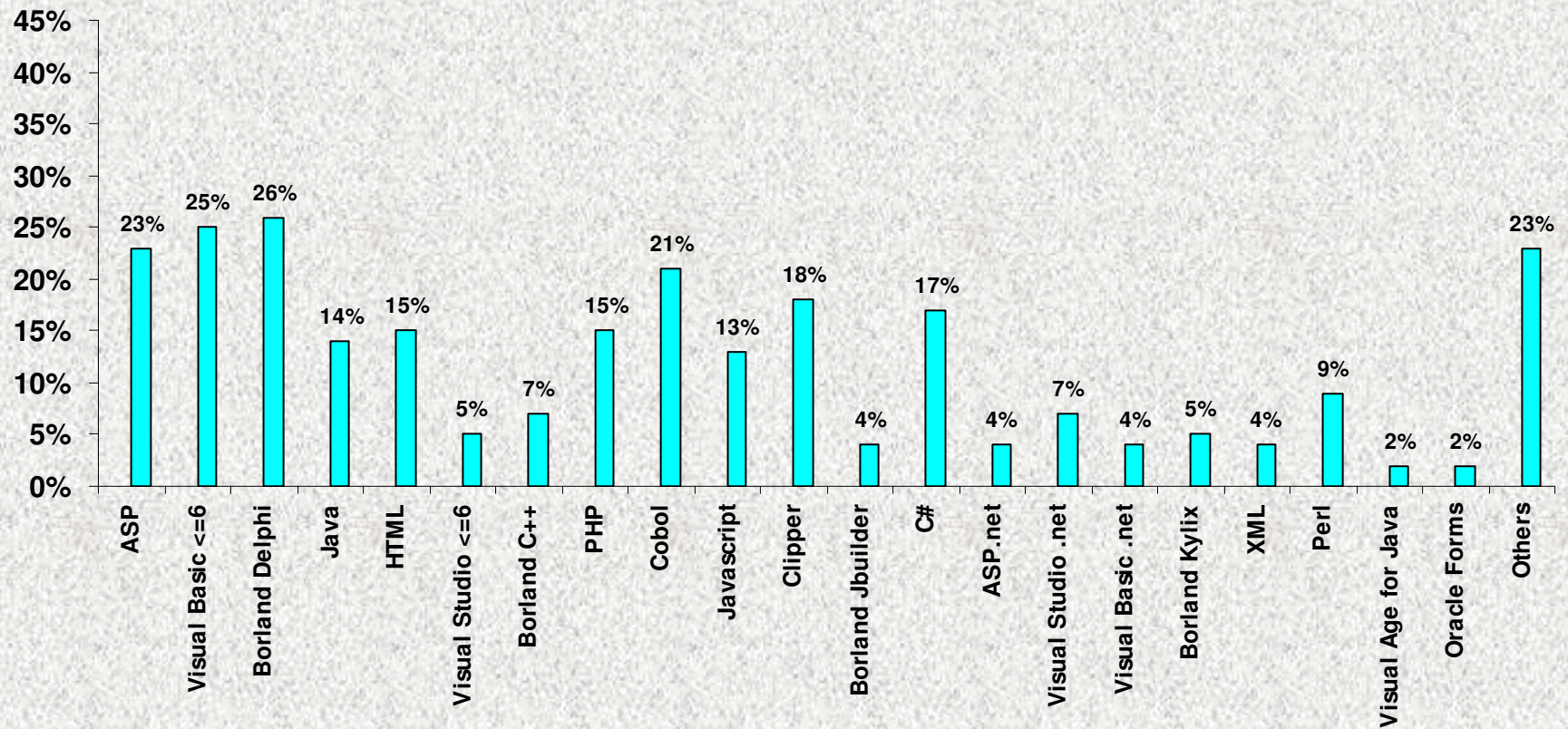


# Linguagens - Totais IV



Central America

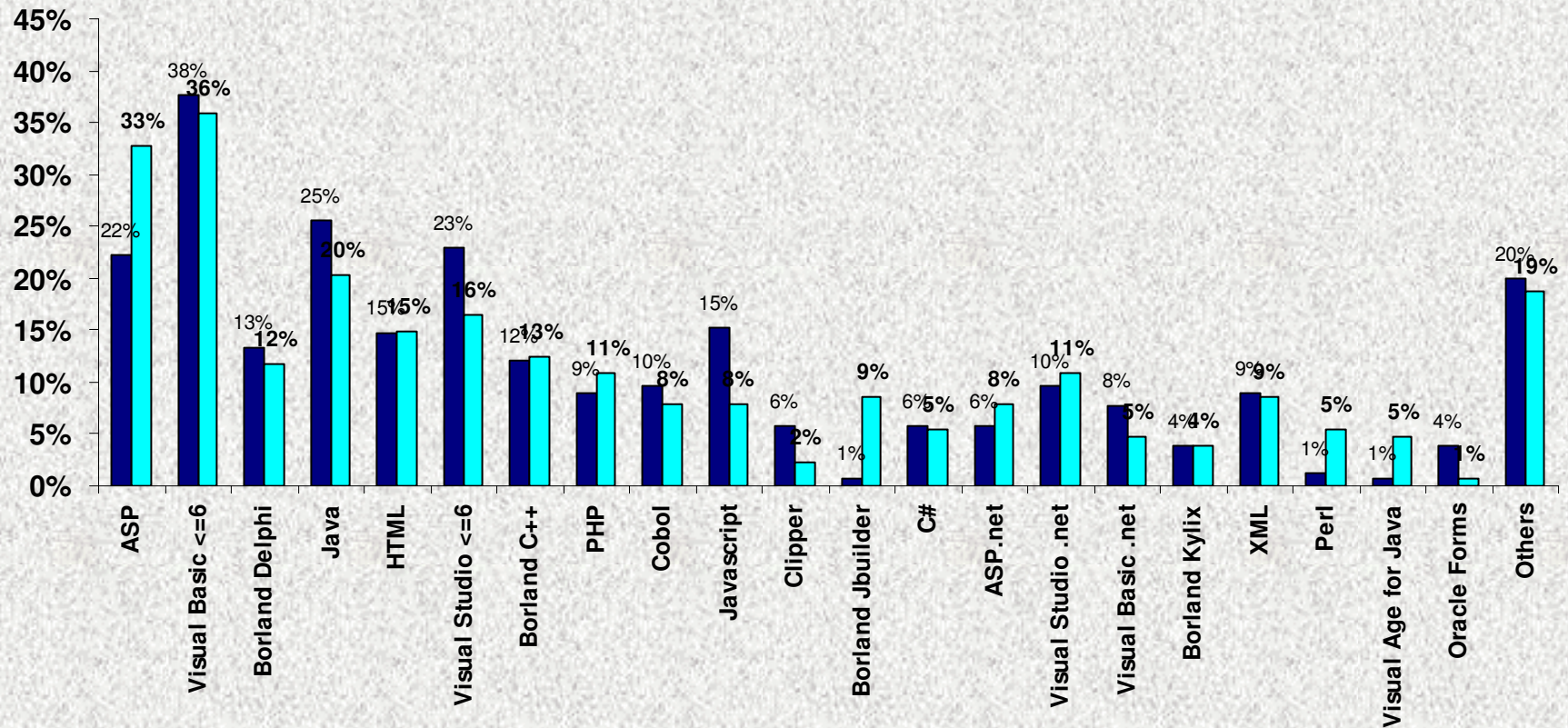
# Linguagens - Totais V



Chile

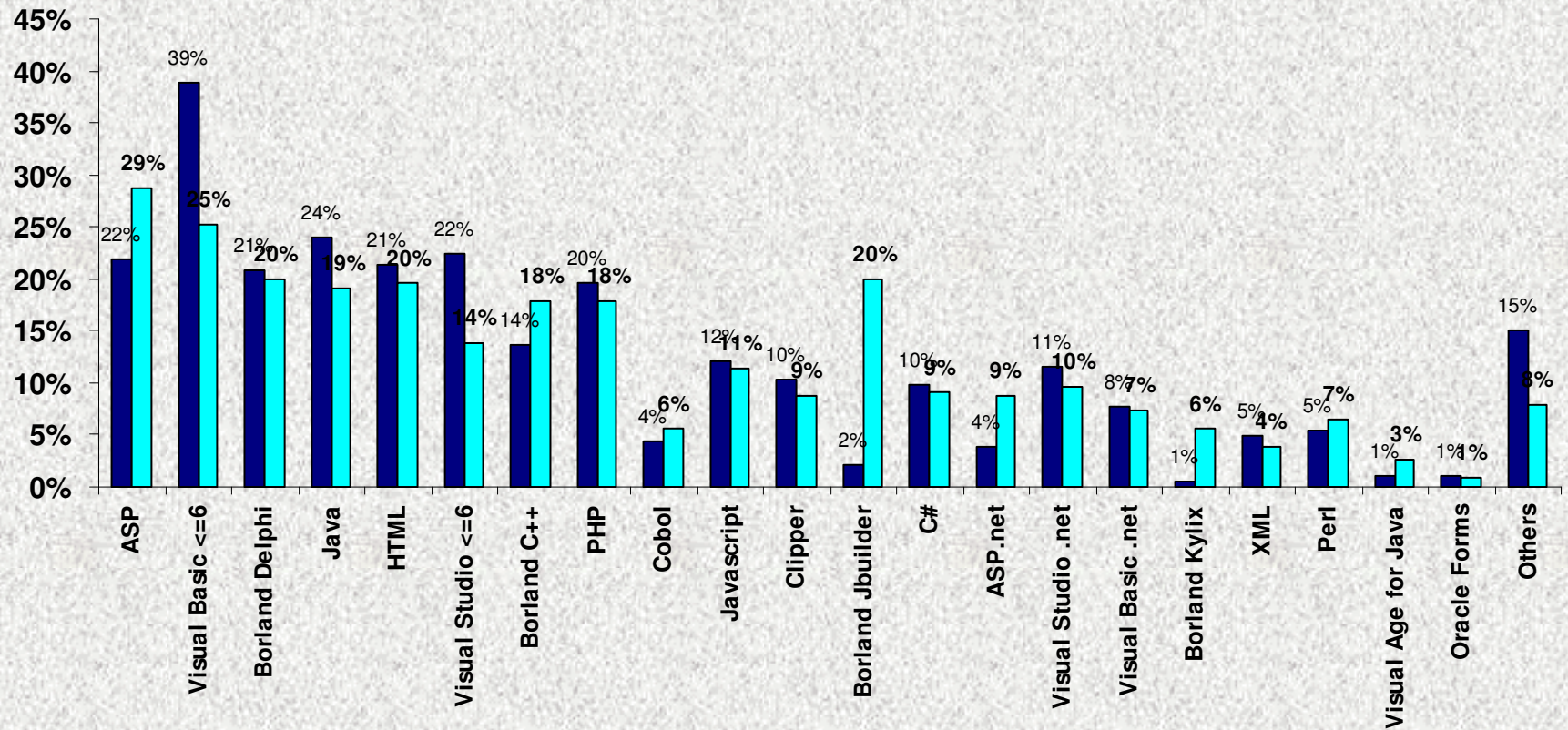


# Linguagens - Totais VI



Colômbia

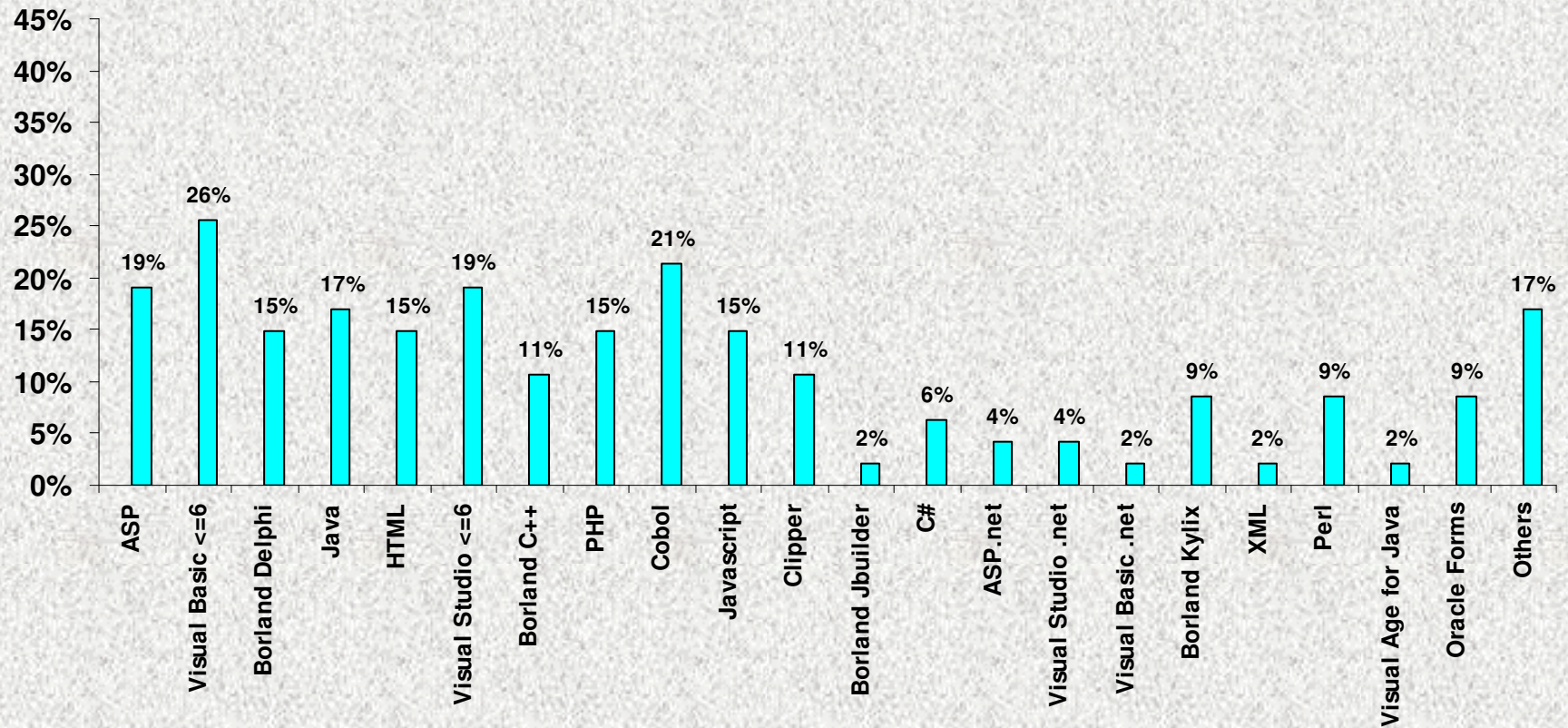
# Linguagens - Totais VII



Mexico



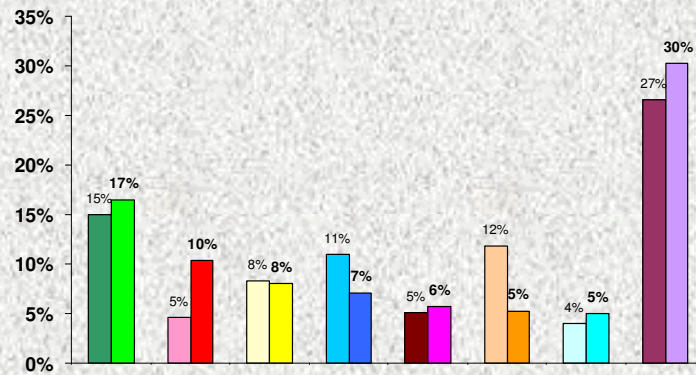
# Linguagens - Totais VIII



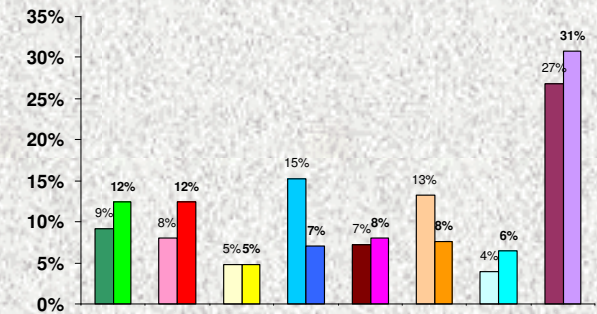
PUB

# Linguagens Futuras I

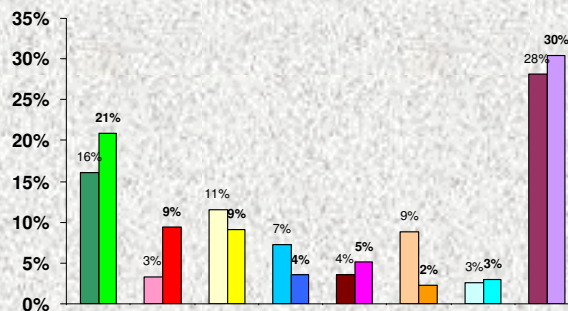
1st round	Java	.Net	Borland Delphi	Visual Studio .Net	C#	Visual Basic 6.0	PHP	Others
2nd round	Java	.Net	Borland Delphi	Visual Studio .Net	C#	Visual Basic 6.0	PHP	Others



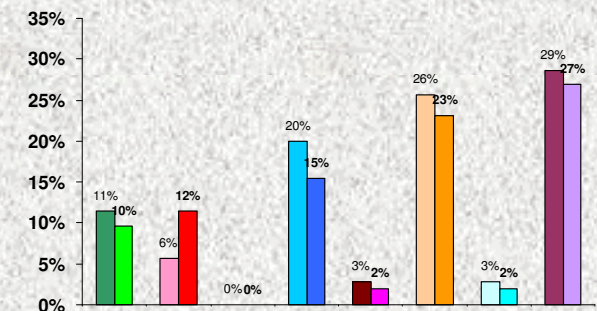
América Latina



Argentina



Brasil

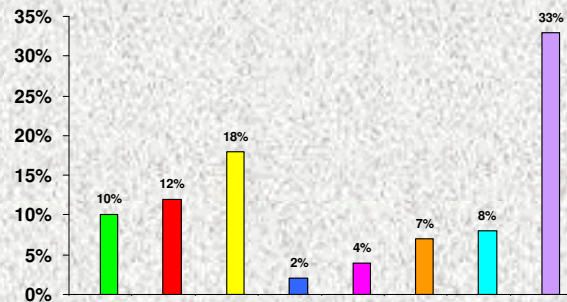


Central America

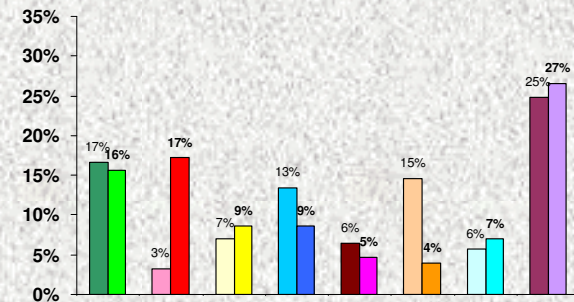


# Linguagens Futuras II

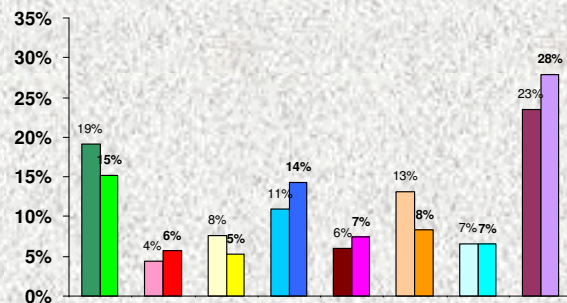
1st round	Java	.Net	Borland Delphi	Visual Studio .Net	C#	Visual Basic 6.0	PHP	Others
2nd round	Java	.Net	Borland Delphi	Visual Studio .Net	C#	Visual Basic 6.0	PHP	Others



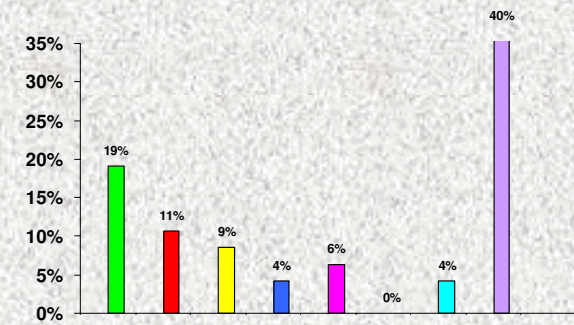
Chile



Colômbia



Mexico



PUB



# *Envolvimento com tecnologias*



# *Envolvimento com tecnologias*

## **Abrangendo:**

***Web Services, Sun ONE, Microsoft .net  
J2EE, IBM WebSphere, COM/DCOM/MTS***

## **Notas de 1 to 5**

***1 = ouviu ou leu algo a respeito***

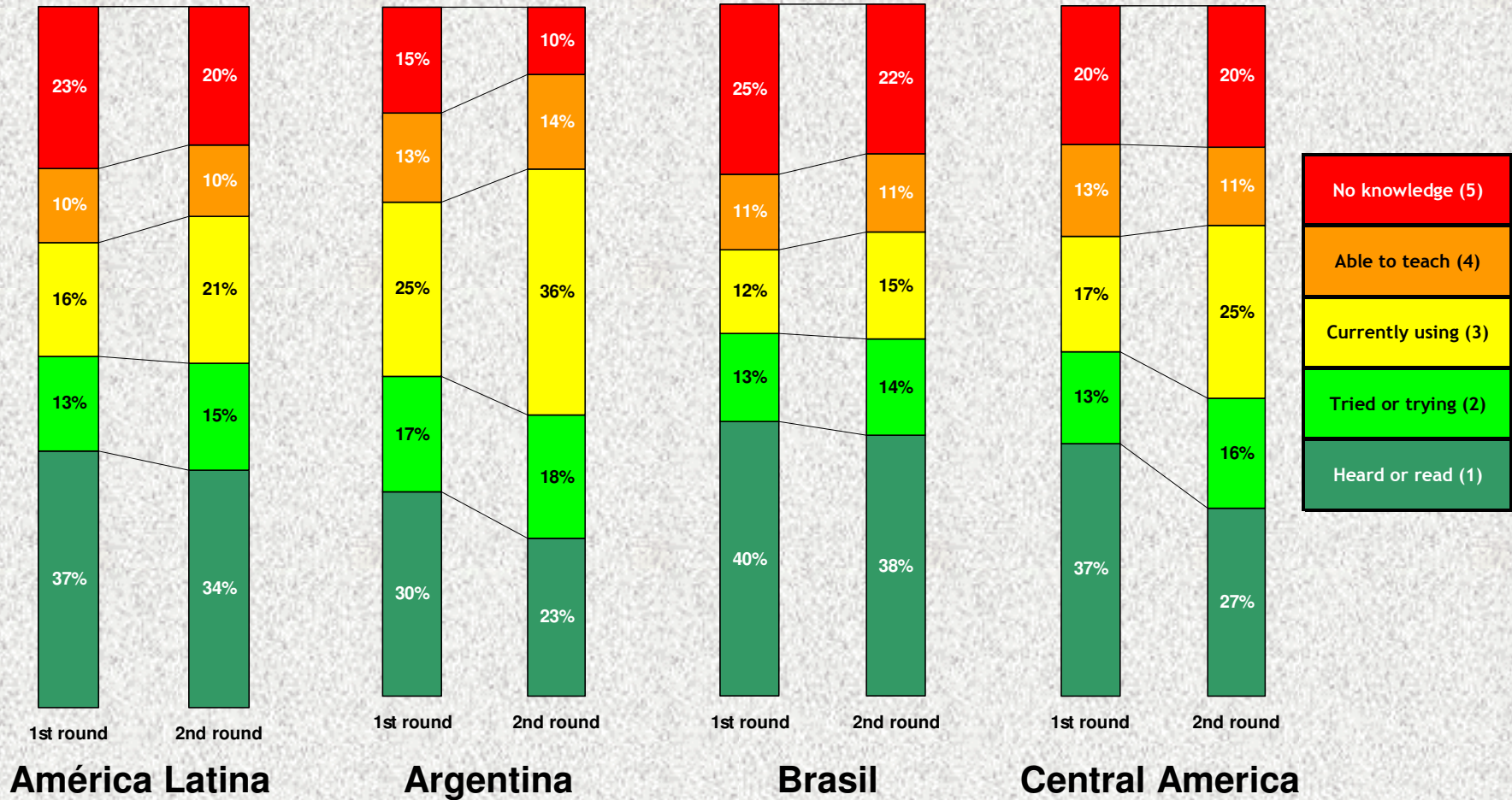
***2 = intentou ou está intentando usar***

***3 = está usando no desenvolvimento***

***4 = capaz de ensinar outros a usar***

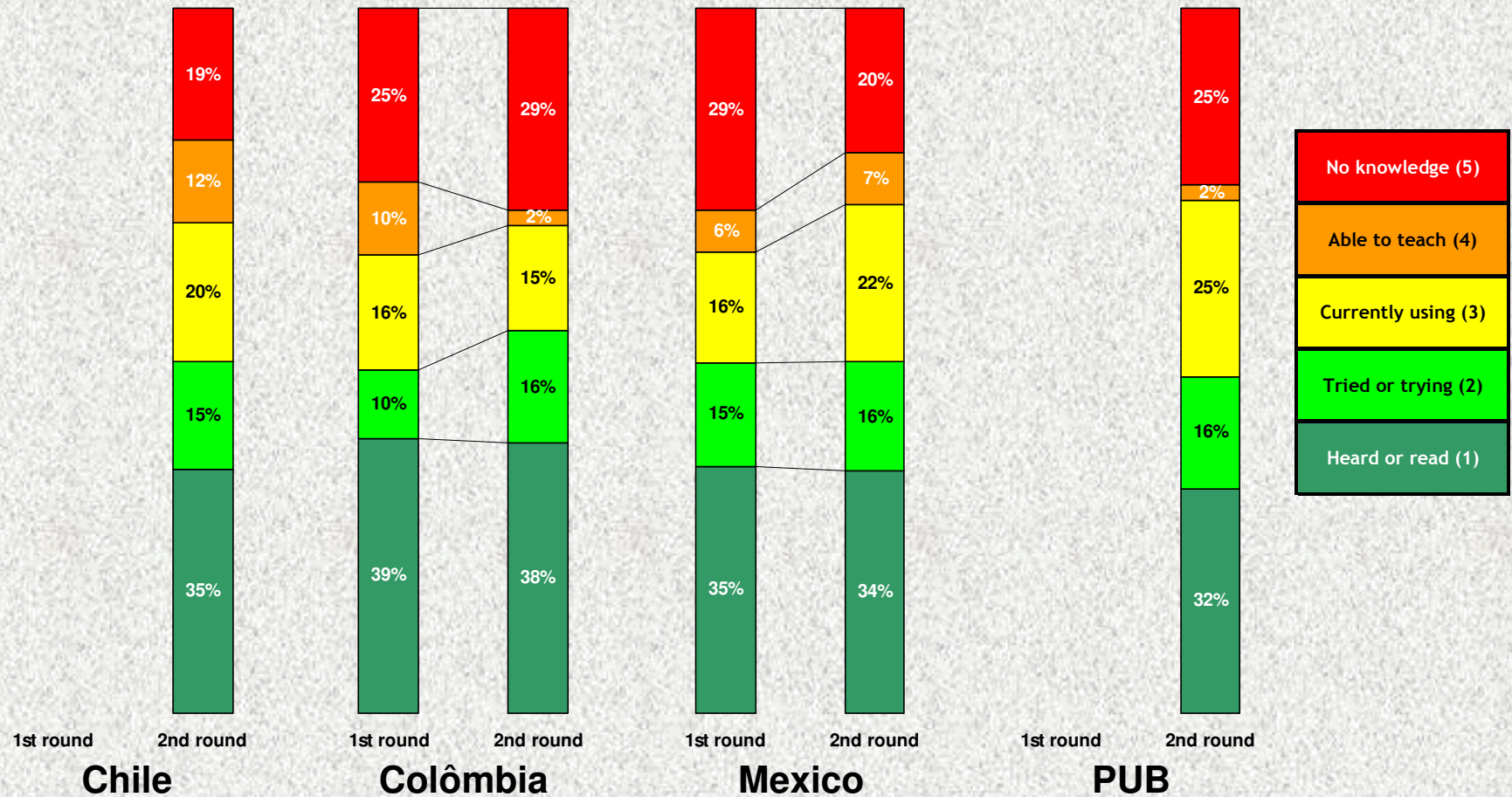
***5 = desconhece***

# COM/DCOM/MTS I

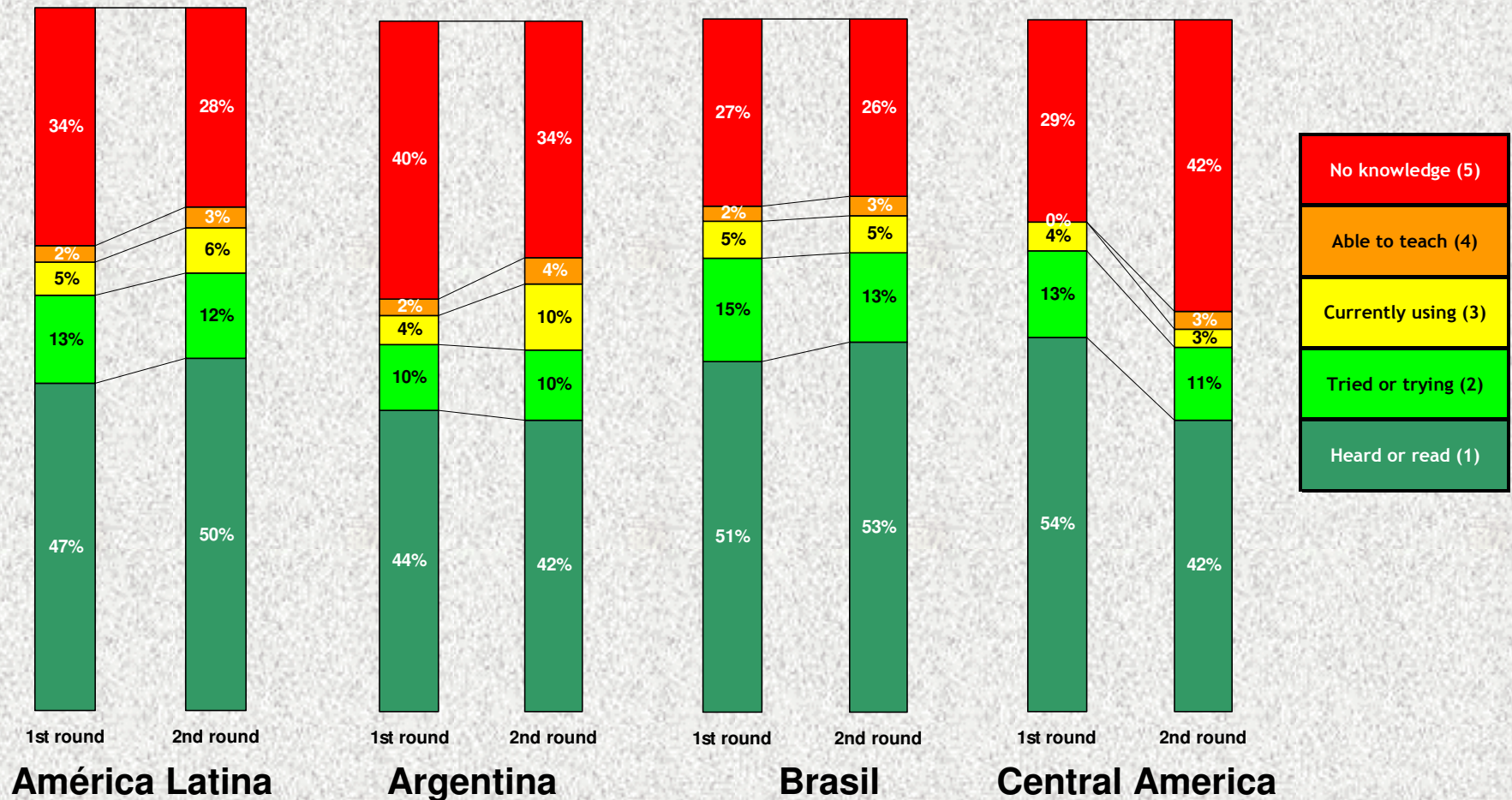




# COM/DCOM/MTS II

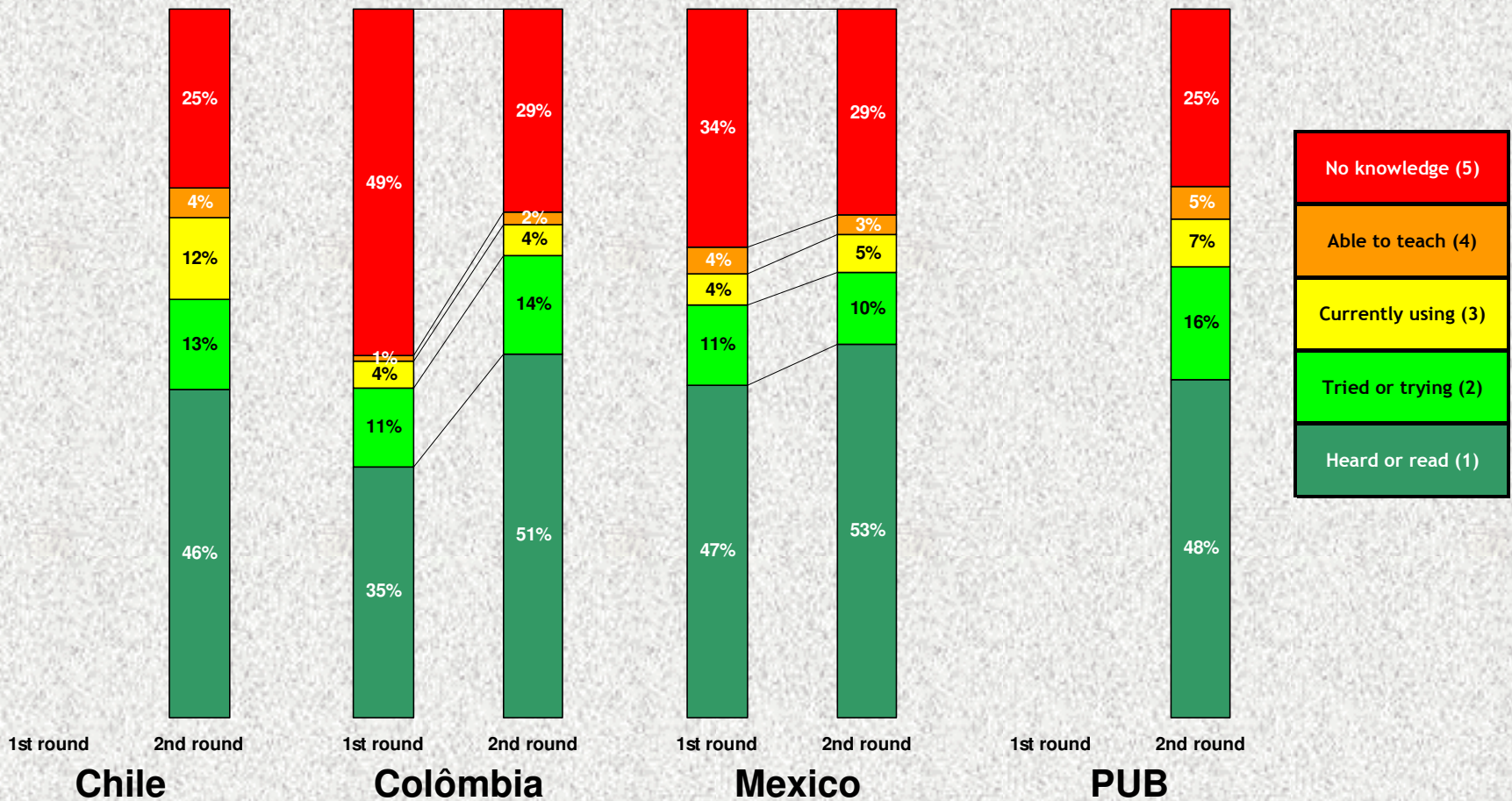


# IBM WebSphere I

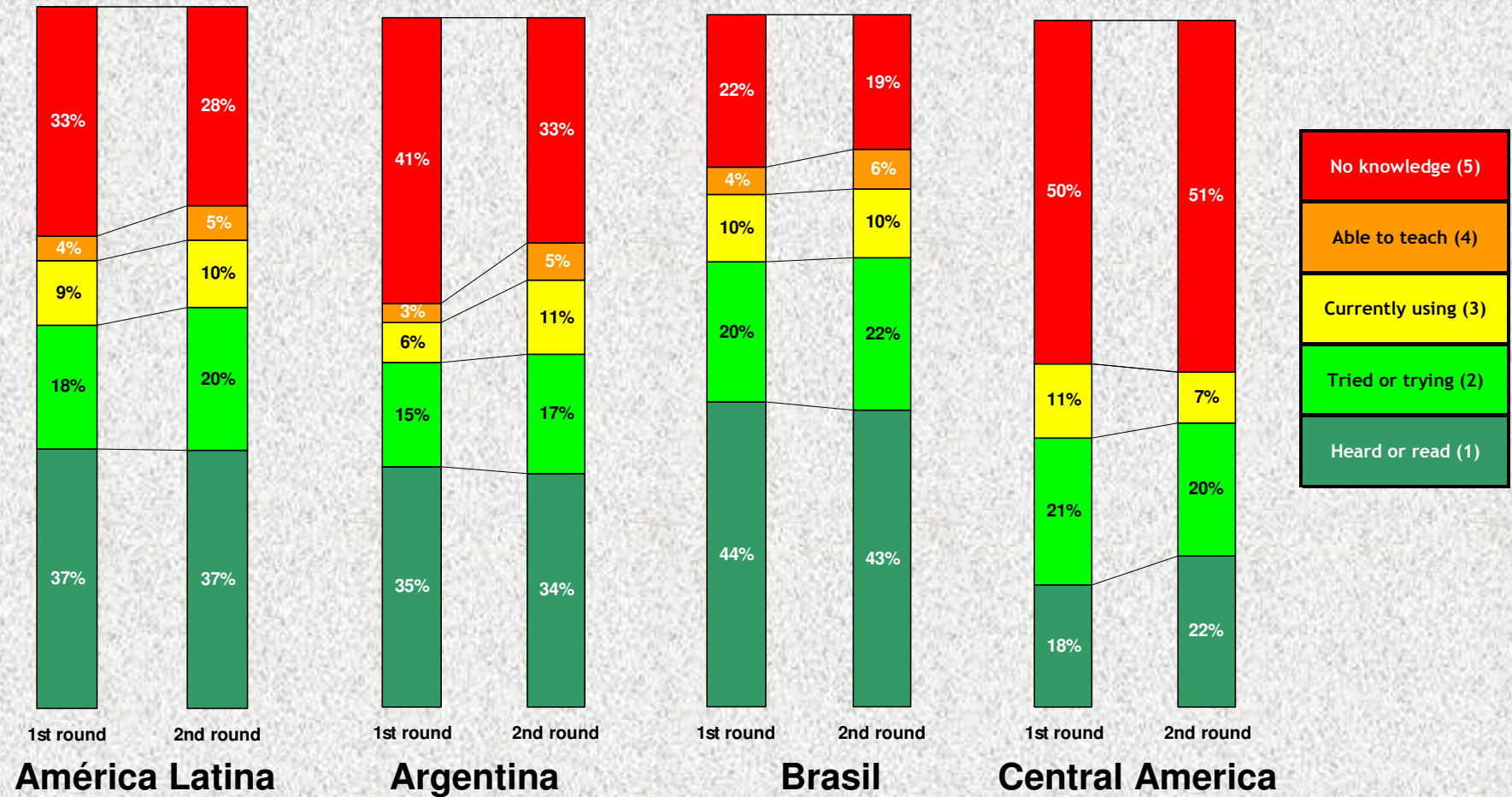




# IBM WebSphere II

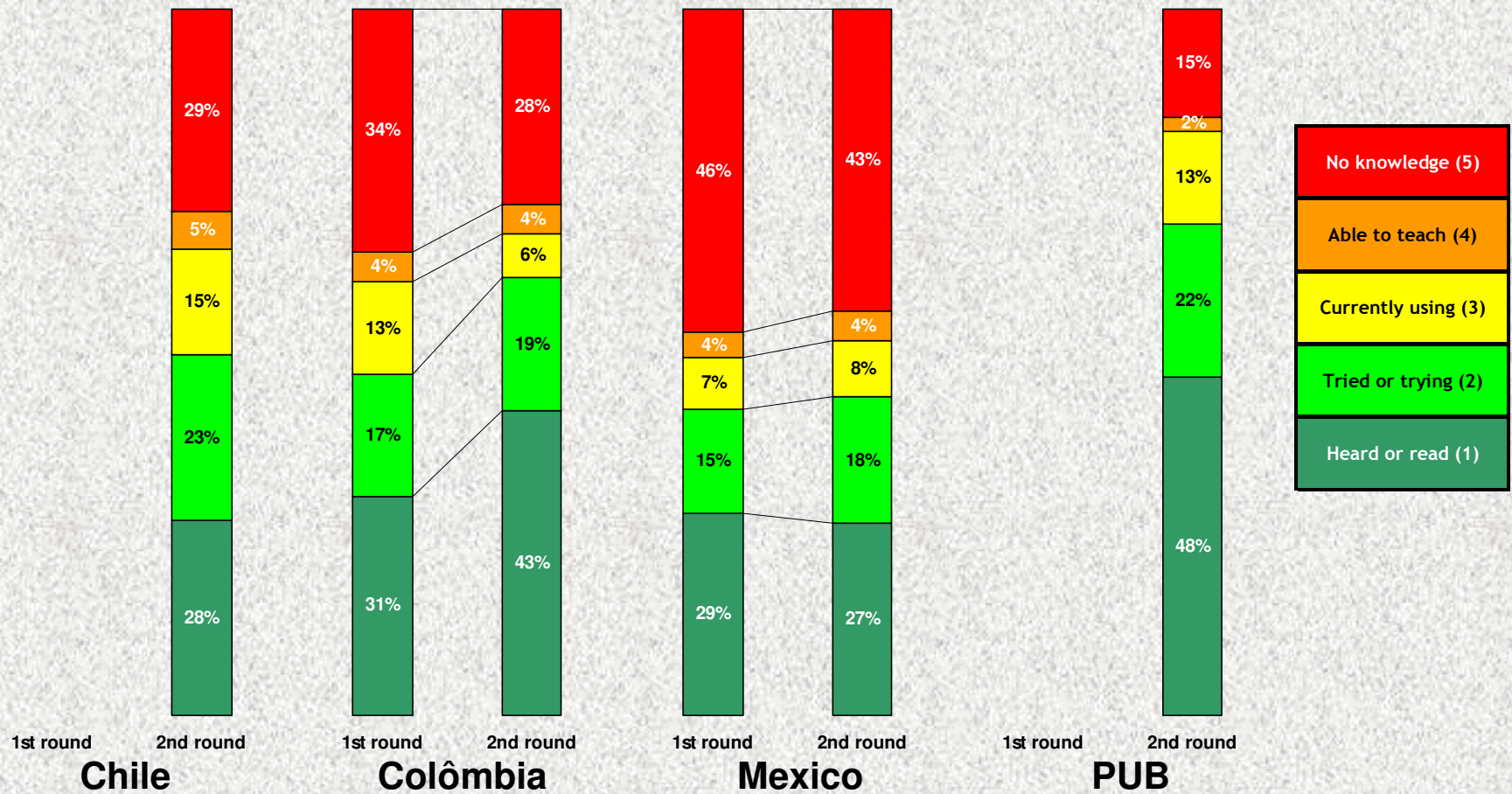


# J2EE I

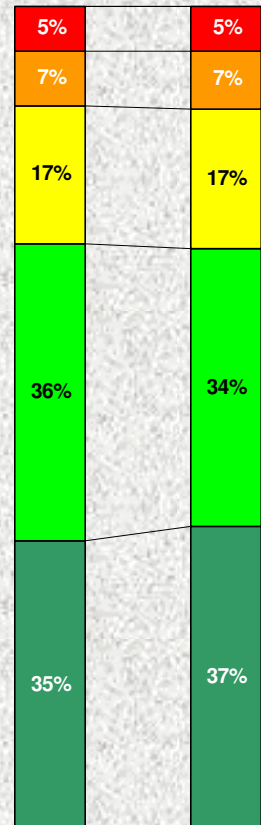




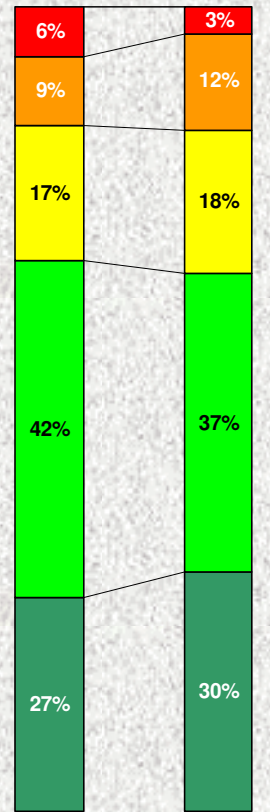
# J2EE II



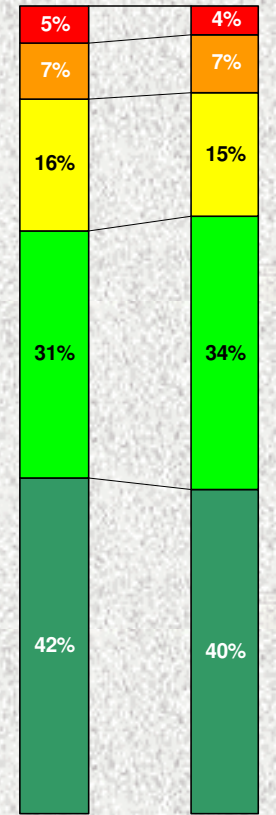
# Microsoft .net I



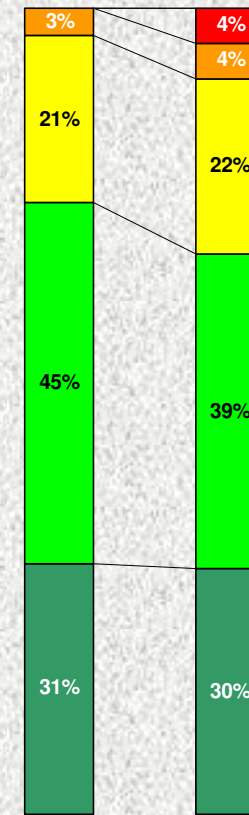
América Latina



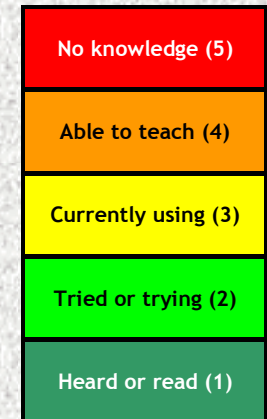
Argentina



Brasil

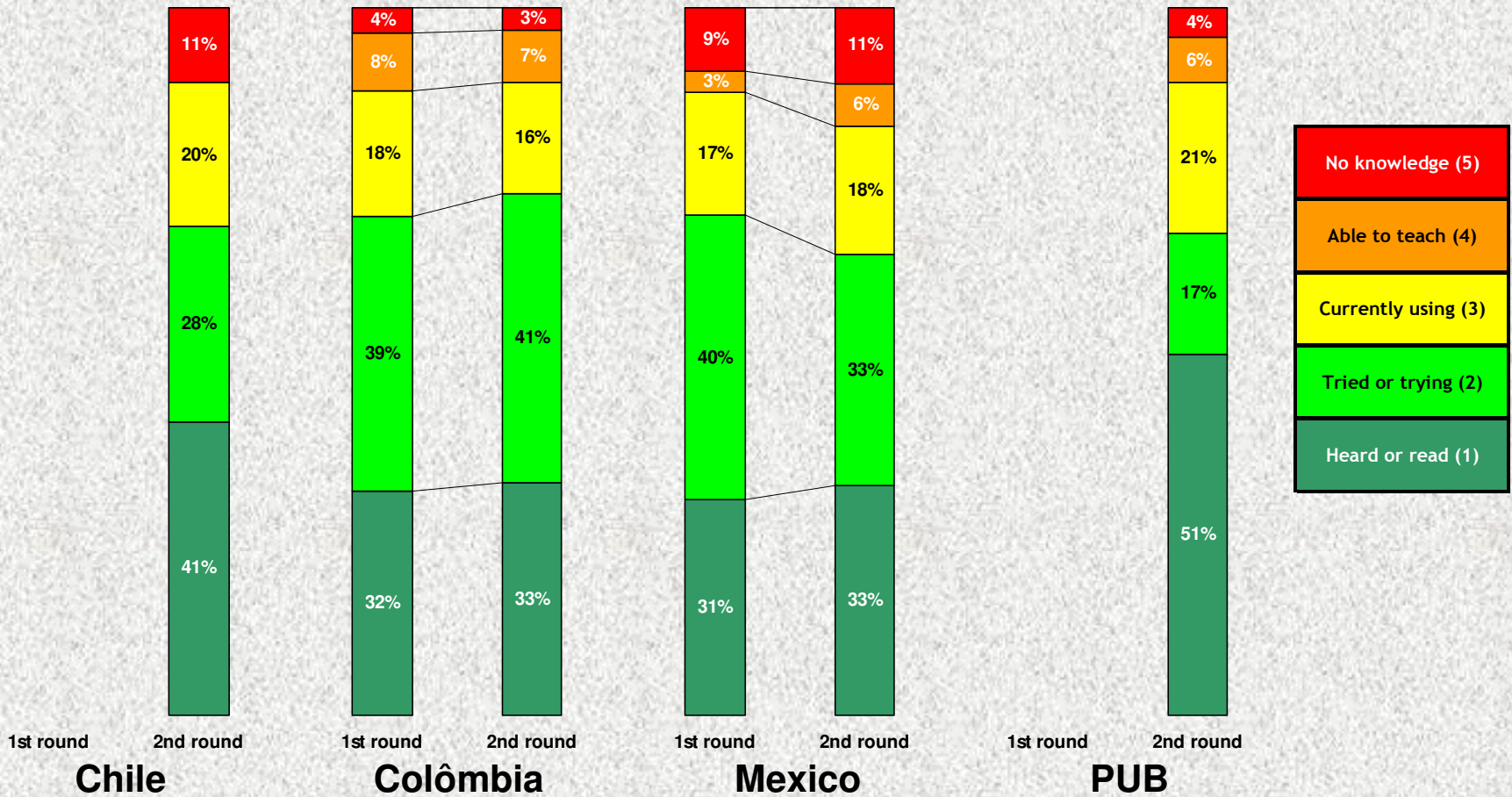


Central America

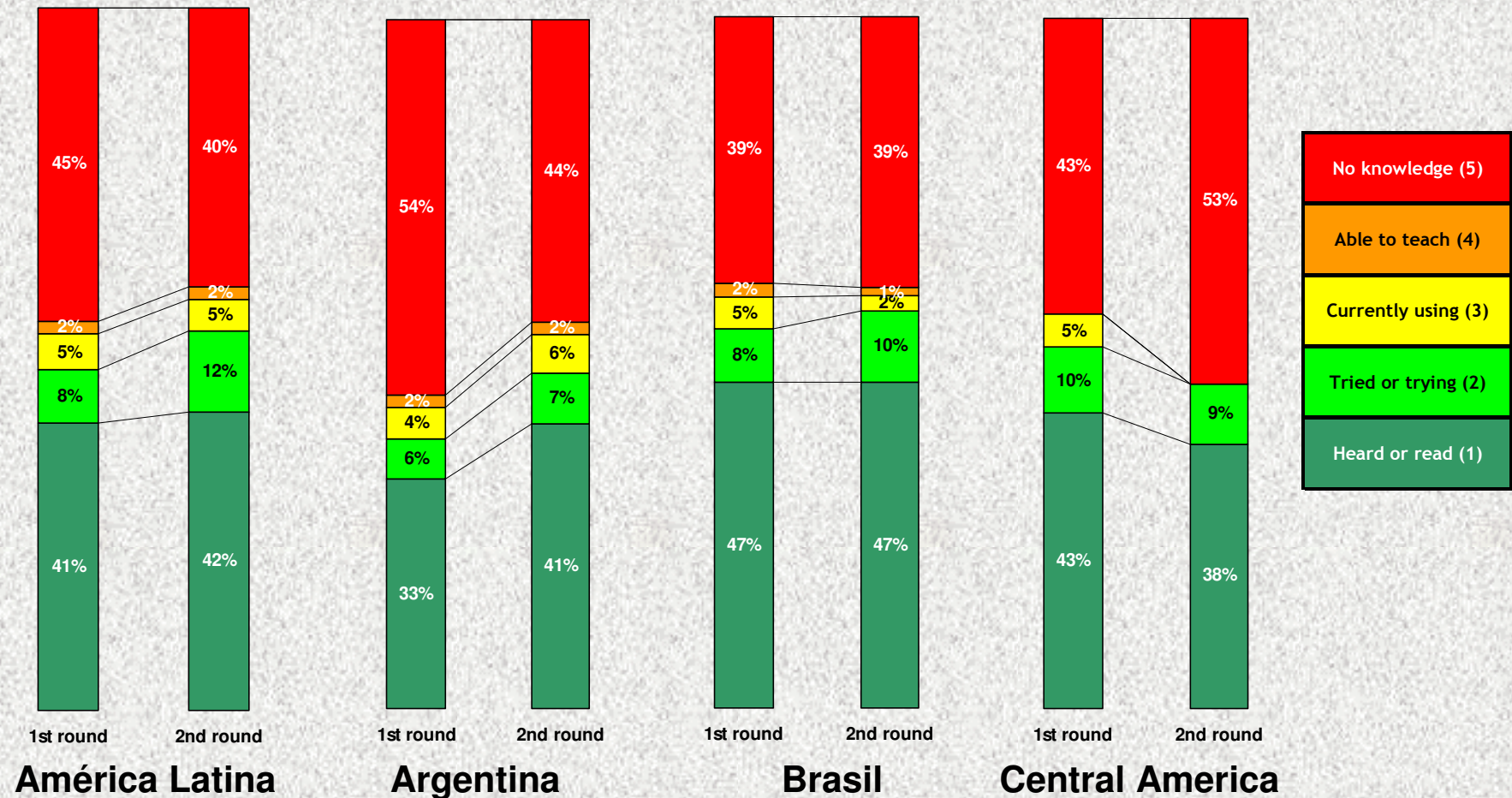




# Microsoft .net II

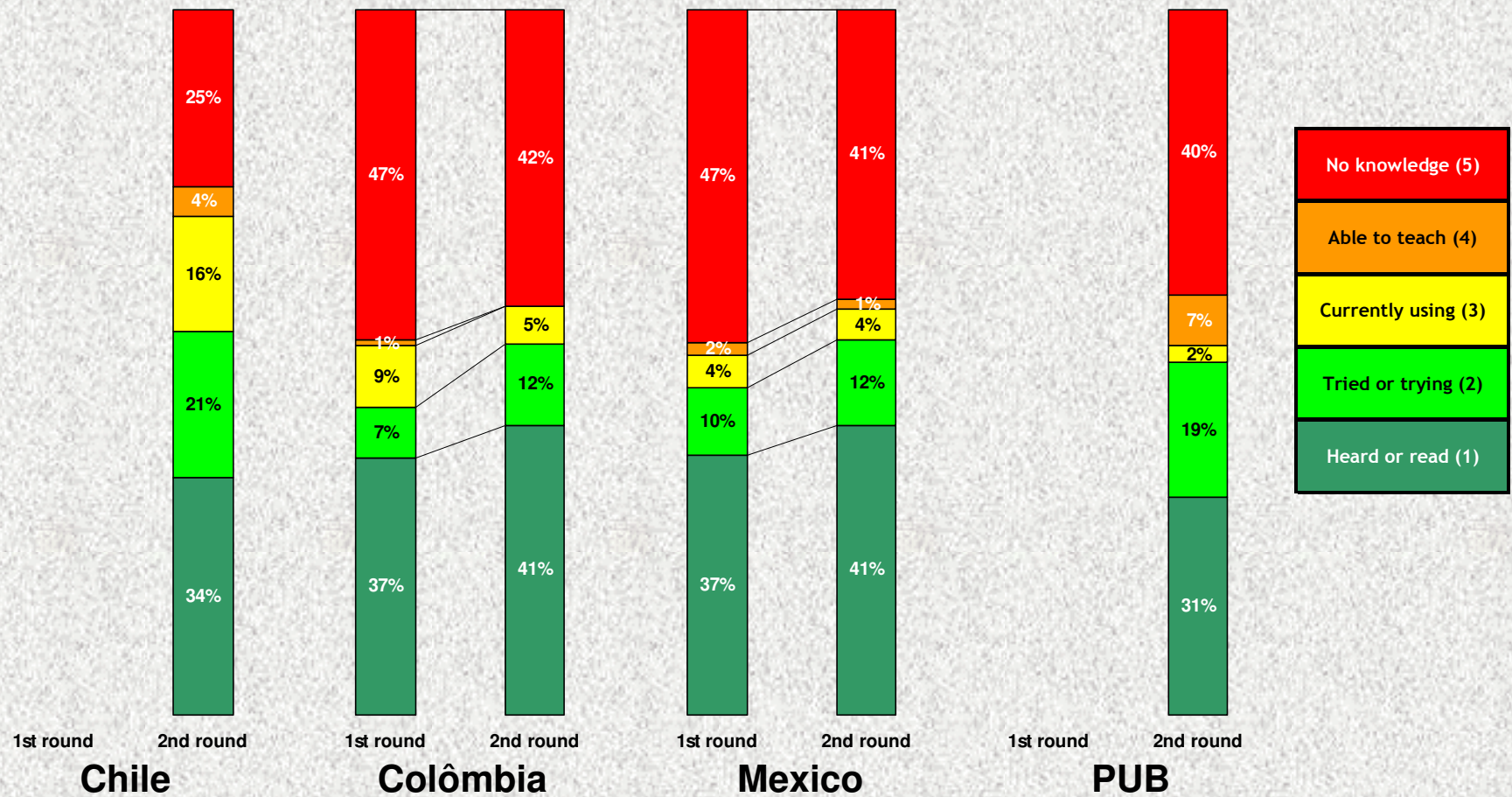


# Sun ONE (iPlanet) I

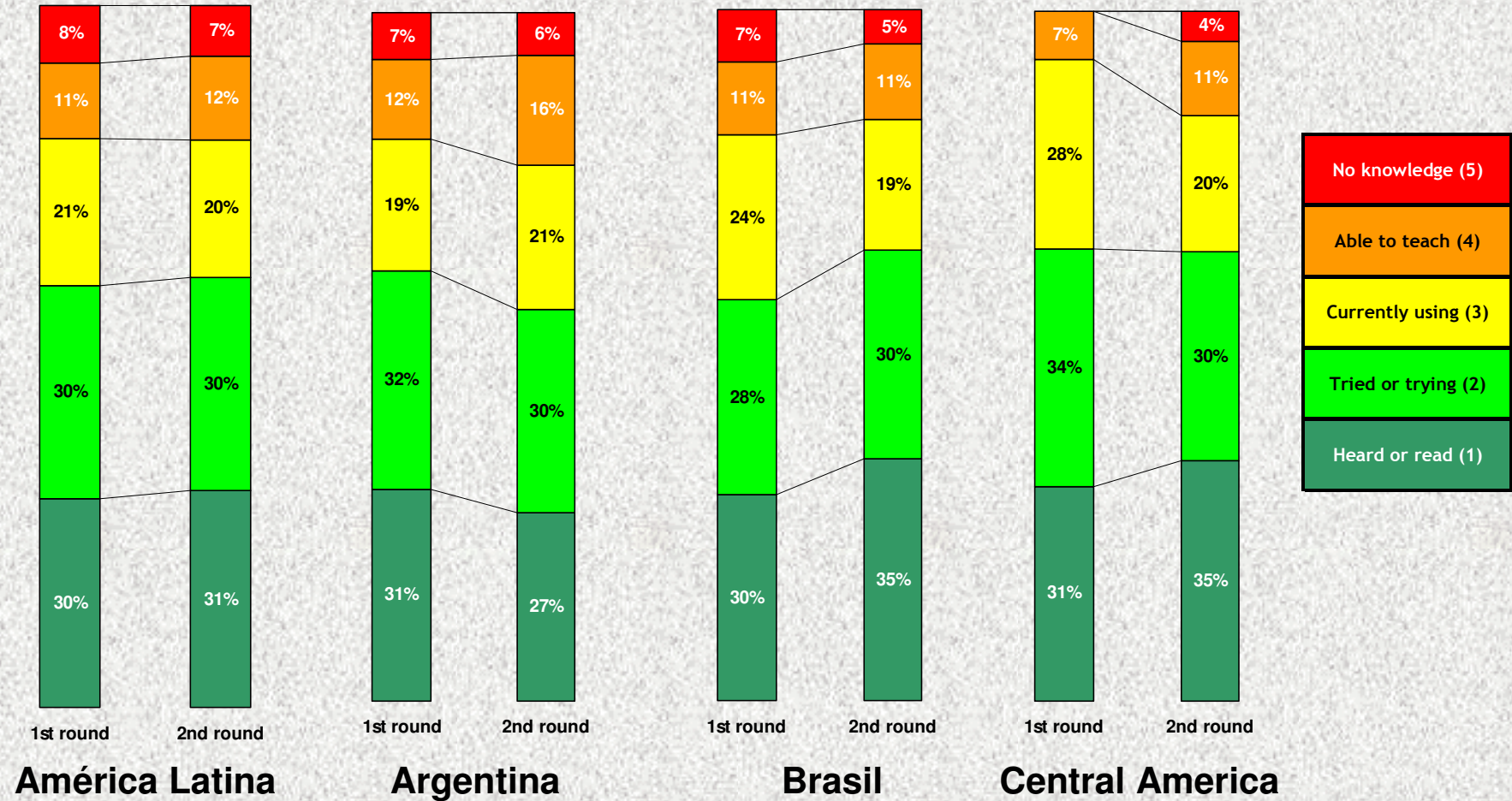




# Sun ONE (iPlanet) II

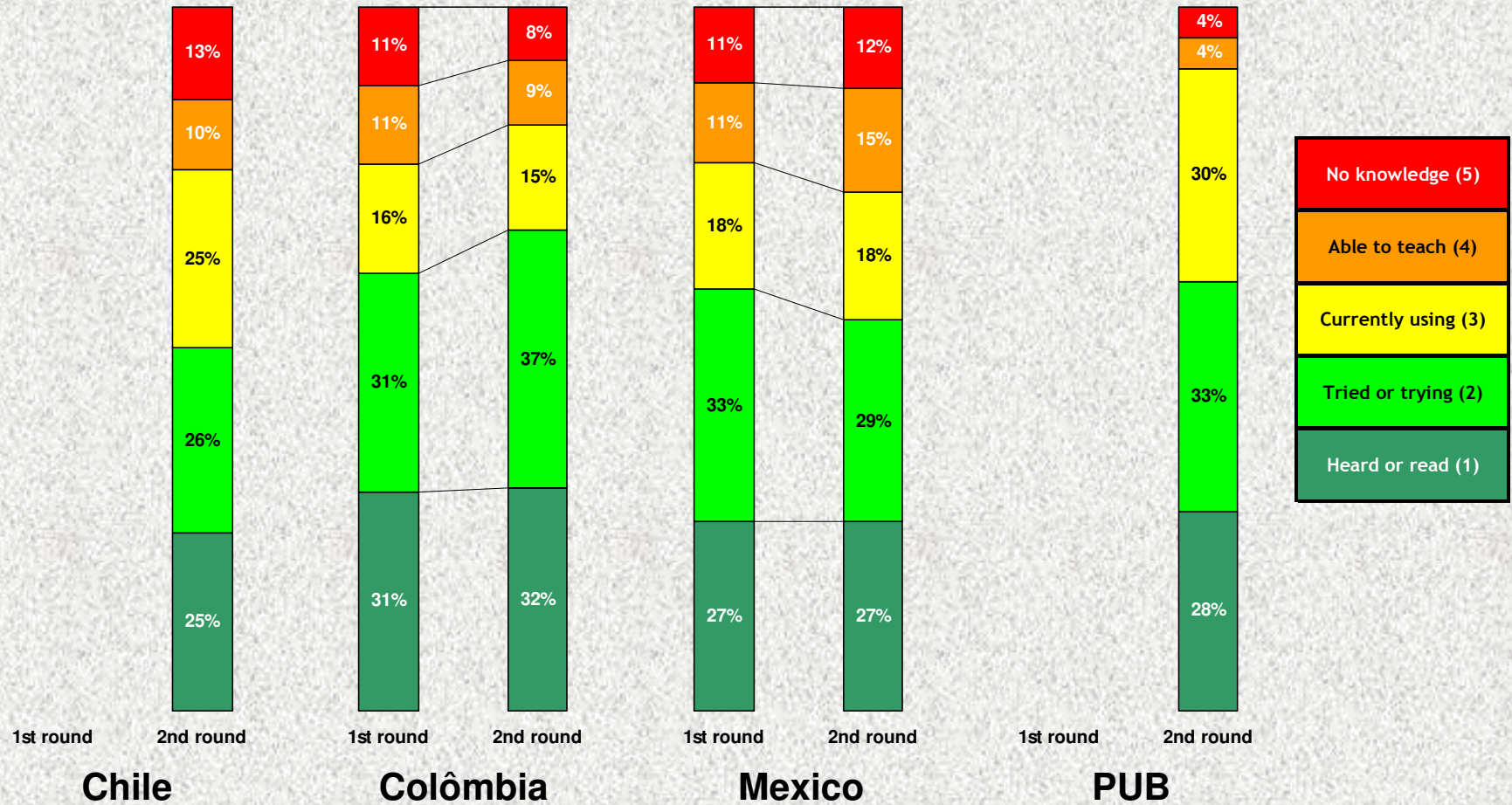


# Web Services I





# Web Services II

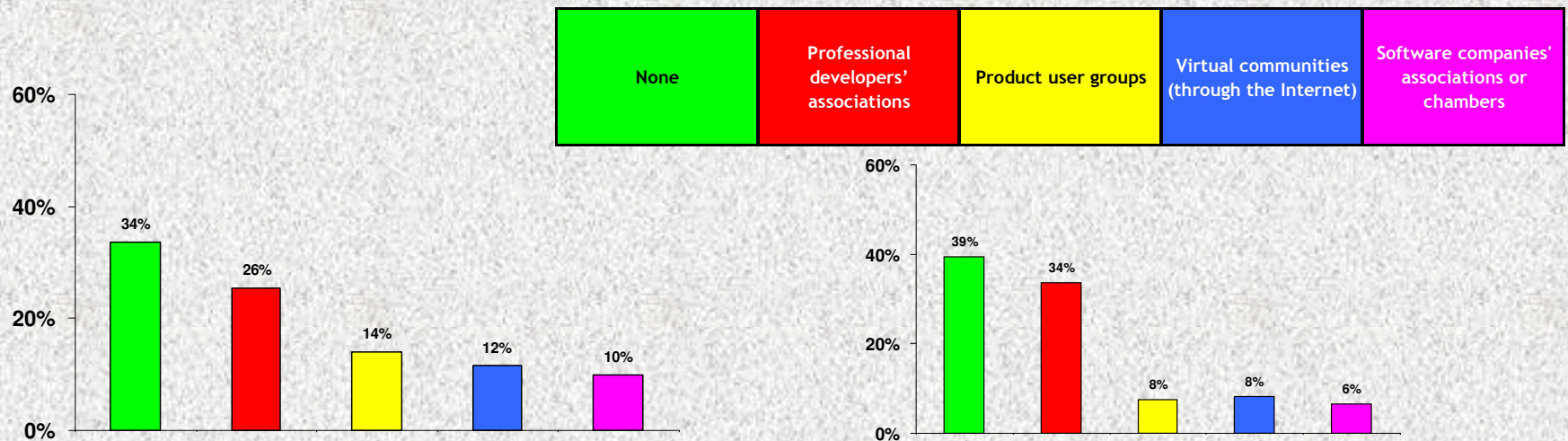




# *Participação em Associações*

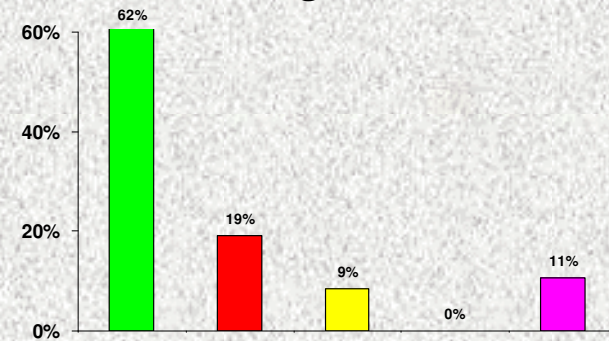
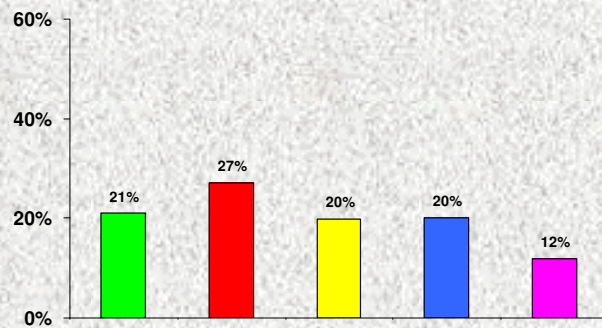


# Participação em Associações I



América Latina

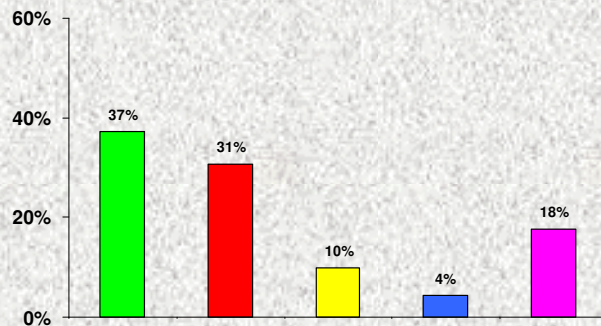
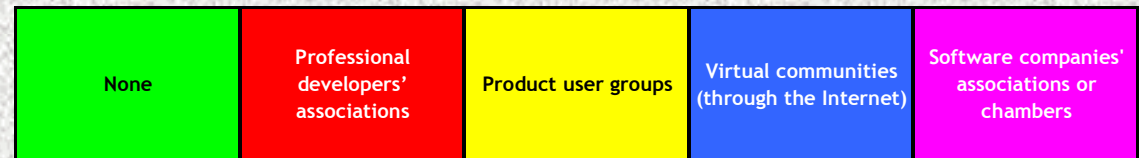
Argentina



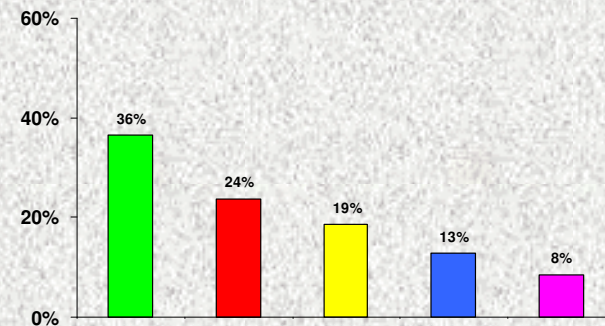
Brasil

Central America

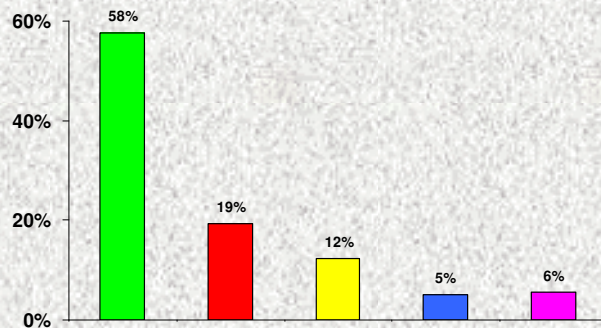
# Participação em Associações II



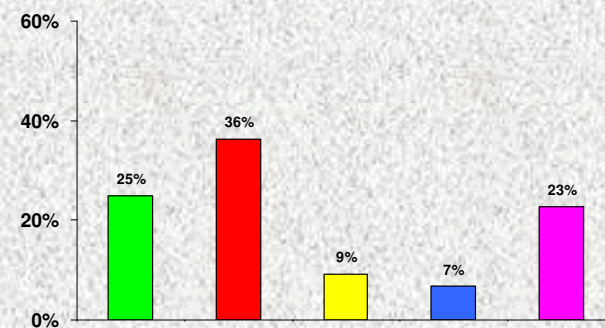
Chile



Colômbia



Mexico



PUB