

(WKLFDQ DQG /HJDO &RQVLGHUDWLRQV LQ &KHPLQIRUPDWLFV
6KDULQJ

&RQQHU 'XQ

'HSDUWPHQW RI &KHPLFDQ (QJLQHULQJ DQG ODWHULDQV 6FLHQFH

'(6&5,37,21

(WKLFDQ FRQVLGHUDWLRQV LQ

,Q WKH GLJLWDO DJH ZKHUH LQIRUPDWLRQ RI FKHPDWLFV
VKDUHG WKH ILHOG RI FKHPDWLFV DQG FRQVLGHUDWLRQV
WUDQVIRUPDWLRQ &KHPLQIRUPDWLFV DQG FRQVLGHUDWLRQV
RI FRPSXWDWLRQDO WHFKQLTXHV WR PDQDJH DQG FRQWURO
GDWD KDV OHG WR WKH DFFXPXODWLRQ RI FRPSXWDWLRQDO
LQIRUPDWLRQ :KLOH WKH DYDLODEOH FRQVLGHUDWLRQV
DFFHOHUDWH VFLHQWLILF SURJUHVVV FRPSXWDWLRQDO
OHJDO FRQVLGHUDWLRQV

7KH GLJLWDO UHYROXWLRQ LQ FKHPDWLFV DQG SURYLGLQJ SUR

7KH GLJLWDO UHYROXWLRQ RI FKHPDWLFV LQIRUPDWLFV
ZD\FKHPLVWV ZRUN ,W KDV HQDEOHG UHVHDUFKHUV WR
DQG DQDO\]H FKHPDWLFV GDWD PRUH HRUHLQJ DQG
7KH GLJLWDO WUDQVIRUPDWLRQ KDV EHHQ GULYHG

'DWHQHUDWLRQ DOORFUDJHU DW LQYUXXPHQW
JHQHUDWH ODUJH YROXPHV RI GDWD EHFDDWLRQ
5HVRQDQFH 105 VSHFWUD WR KLJK DQGHUHQW
'LJLWDO VWRUDJH VROXWLRQV KDYH EHFRRPH
WKHVH GDWD

&ROODERUDWLRQDO UHYROXWLRQ UHVHUKJDOH
LQYROYH PXOWLSOH WHDPV LQVXSSOLFDWLRQ
SODWIRUPV DQG FKHPDWLFV DQG FRQVLGHUDWLRQV
FROODERUDWLRQ DFURVV ERUGHUV

ODFKLQH OHDUQLQJ DQG SURYRULWLRQ RI FKHPDWLFV
H[WHQVLYH FKHPDWLFV GDWDVHWV KDV HILGHQW
PDFKLQH OHDUQLQJ DOJRULWKPV DQG SURYRULWLRQ
PRGHQV KDYH DSSOLFDWLRQV LQ GUXJ GLYERHUV
DQG PRUH

2SHQ VFZKFRSHQ VFLHQFH PRYHFRSHQ
VKDULQJ RI UHVHDUFK GDWD DQG JHQHUDWLRQV
FRPPXQLW\ IRVWHULQJ WUDQVSDUHQW

&RUUHVSRQGHU 'XQ 'HSDUWPHQW RI &KHPLFDQ (QJLQHULQJ DQG ODWHULDQV
'XQ#JPDLO FRP
5HFHLYHG ODQXVFRSHW (GLWRU DVXQGH&1R\$(& 345HYLHZH\$XJ 4&
1R \$(& 5HYLVH\$XJ ODQXVFULSW 1RX\$Q[LVK\$XJ 5 '2,
&LWDWLRQ (WKLFDQ DQG /HJDO &RQVLGHUDWLRQV LQ &KHPLQIRUPDWLFV DQG &
&RS\ULJKW 'XQ& 7KLLVQRSHQ DFFHVVWUXE\$WUHQURPWKHUHDWRPFRQWULEXFMRQLFK
SHUPLWV XQUHVWULFWHG XVH GLVWULEXWLRQ DQG UHSURGXFWRQ LQ DQ\ PHGLXP

([SRUW FRQWURO DQG (SRDOWXFRQWURODOWLRQ\ However, to navigate the ethical and legal PD\ UHVWULFW WKH VKDULQJ RI FKHPLFDO FKHPLFDO QIRUPDWLRQ completions associated with the Advancing Research HVSHFLDOO\ LI LW KDV SRWHQWLDO GXDOXVH DSSOLFDEWLRY\ FR KDUPIXO WR QDWLRQDO VHFXULW\ staying informed about regulations, and prioritizing the responsible and ethical use of chemical data.

&21&/86,21

&KHPLQIRUPDWLFV DQG FKHPLFDO GDWDV\ KDYLQJ KDIY\ SRWHQWLDO WR UHYROXWLRQL]H VFLHQWLILF UHYROXWLRQ\ QIRUPDWLRQ LQ FKHPL

By doing so, they can contribute to the advancement of science with respect to privacy, protecting intellectual property, and ensuring the security of sensitive information.